

STONTRONICS

THE POWER TO SUPPLY

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CUSTOMER: _____

PART NUMBER: T5110ST _____



APPROVAL SHEET

FOR

SWITCHING ADAPTER

MODEL NO.

DSC-5CU-05 050100

ORDER NO: SP-236995

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CUSTOMER APPROVED SIGNATURE

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APPROVAL BY	SAFETY	DIRECTOR	ENGINEER	PREPARED
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0. REVISION CONTROL LIST

DATE	REVISION CONTROL ITEMS					
	CONTENT OF APPROVAL SHEET	SPECIFICATION	RATING LABEL DRAWING	PRODUCT OUTLINE DRAWING	PACKING DRAWING	SAFETY LICENSE
2012.03.27	A	A	A	A	A	A

REVISION CHANGE DESCRIPTION

ITEM	REV	DESCRIPTION

1. SPECIFICATION

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0. REVISION CHANGE DESCRIPTION

Revision	Description	Date
A	Initial release	2012.03.27

1. GENERAL DESCRIPTION

This specification defines the input, output, performance characteristics, environment, noise and safety requirements for a 5 watts switching type power adapter.

The adapter input/output are full range AC input and +5.0V DC with 5 watts maximum output.

2. INPUT REQUIREMENT

2-1 AC INPUT VOLTAGE

MINIMUM	NOMINAL	MAXIMUM
90 VAC	100-240 VAC	264 VAC

2-2 AC INPUT FREQUENCY

MINIMUM	NOMINAL	MAXIMUM
47 Hz	50 / 60 Hz	63 Hz

2-3 AC INPUT CURRENT

NOMINAL AC INPUT VOLTAGE	0.2 A maximum
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2-4 AC INRUSH CURRENT

AT FULL LOAD, 25 DEGREE C, COLD START

NOMINAL AC INPUT VOLTAGE	No damage shall be occurred and the input fuse shall not be blown up.
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2-5 CONFIGURATION

Wall-mount type, FULL-pin, 2 Conductors, < Live, Neutral >

2-6 POWER CONSUMPTION ON POWER SAVING MODE

LOAD	INPUT CONDITION	INPUT POWER REQUIREMENT
0 A	115 VAC 60 Hz	0.3W maximum
0 A	230 VAC 50 Hz	0.3W maximum

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3. OUTPUT REQUIREMENT

3-1	DC OUTPUT VOLTAGE	+5.0 V
3-2	MINIMUM LOAD CURRENT	0.05 A
3-3	NOMINAL LOAD CURRENT	1.0A
3-4	NOMINAL OUTPUT POWER	5W
3-5	TOTAL OUTPUT REGULATION	+/-5%
3-6	RIPPLE AND NOISE	100 mVp-p maximum
		At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground Temperature at 25°C, At nominal AC input voltage
3-7	EFFICIENCY	68.17% minimum
	ERP	Meet standard for energy star level: V 2009/125/EC
3-8	HOLD-UP TIME	5 mS minimum
		At nominal input AC voltage and full load
3-9	TURN-ON DELAY	2 Seconds maximum
3-10	PROTECTION	
	OVER-CURRENT PROTECTION	2A with auto-recovery function
	OVER-VOLTAGE PROTECTION	10VDC maximum with zener clamp
	SHORT-CIRCUIT PROTECTION	The adapter shall not be damaged by short the DC output to Ground.
3-11	REMARK	Unless otherwise specification output load must set at CR mode.

1. SPECIFICATION

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4. MECHANICAL REQUIREMENT

4-1 DIMENSION

61.89 (L) * 39.0 (W) *32.3 (H) mm maximum

4-2 WEIGHT

65 g maximum

4-3 INPUT PLUG TYPE

Wall-mount type, FULL-pin, 2 Conductors, < Live, Neutral >

5. ENVIRONMENTAL REQUIREMENT

5-1 COOLING

Cooling shall be with natural convection cooling

5-2 OPERATING TEMPERATURE

0 °C TO 40 °C

5-3 STORAGE TEMPERATURE

-20 °C TO +80 °C

5-4 OPERATING HUMIDITY

20 ~ 85 % RH. NON-CONDENSING

5-5 STORAGE HUMIDITY

5 ~ 95 % RH. NON-CONDENSING

5-6 VIBRATION TEST REQUIREMENT

(Non-operating, with packing) Reference to IEC. 68-2-6

Test conditions		Acceptance criteria
1.Frequency	5 ~ 500 Hz	NOMINAL functional test should be satisfied after the test
2.Sweep	2hours. For each axis (X, Y, Z)	
3.Acceleration	0.6G (5~50 Hz, peak - peak), 1.5G (50~500 Hz, peak - peak)	
4.Displacement	0.4 mm (5~50 Hz)	

1. SPECIFICATION

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6. SAFETY REQUIREMENT

6-1 DIELECTRIC WITHSTANDING VOLTAGE TEST (HI-POT TEST)

Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1 minute

6-2 LEAKAGE CURRENT

0.25mA maximum, at nominal AC input voltage and frequency

6-3 SAFETY STANDARD

Designed to meet UL/CUL(UL60950-1),TUV-GS(EN60950-1), T-LICENSE(BS EN60950-1),SAA(AS/NZS60950)

6-4 EMI STANDARDS

Designed to meet FCC(PART 15 CLASS B),CE(EN55022),C-TICK

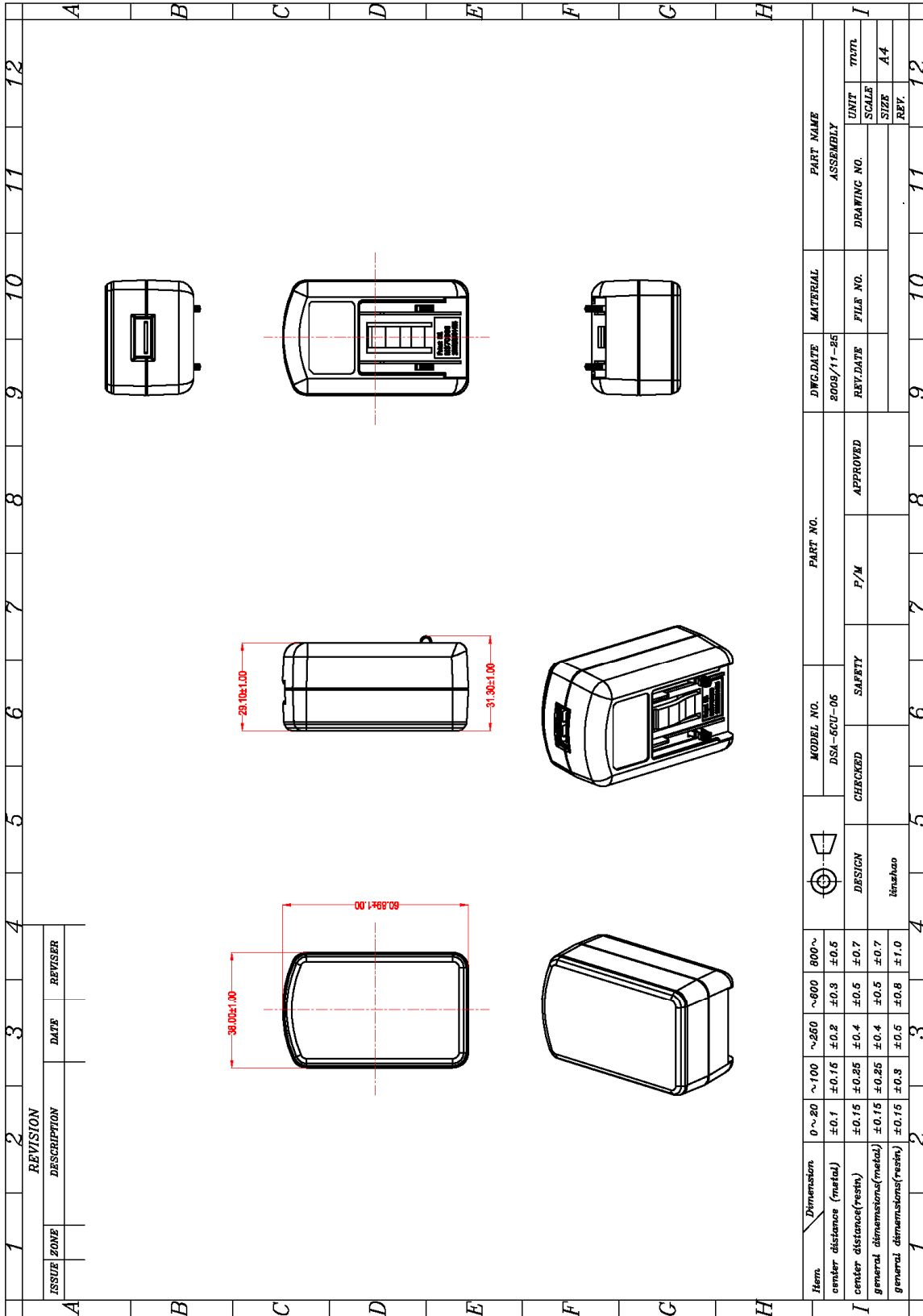
7. RELIABILITY

7-1 MEAN TIME BETWEEN FAILURE (MTBF)

The power supply shall be designed and produced to have a mean time between failures (MTBF) of 50000 operating hours minimum conditions: 80% maximum load at 25°C, nominal input voltage.

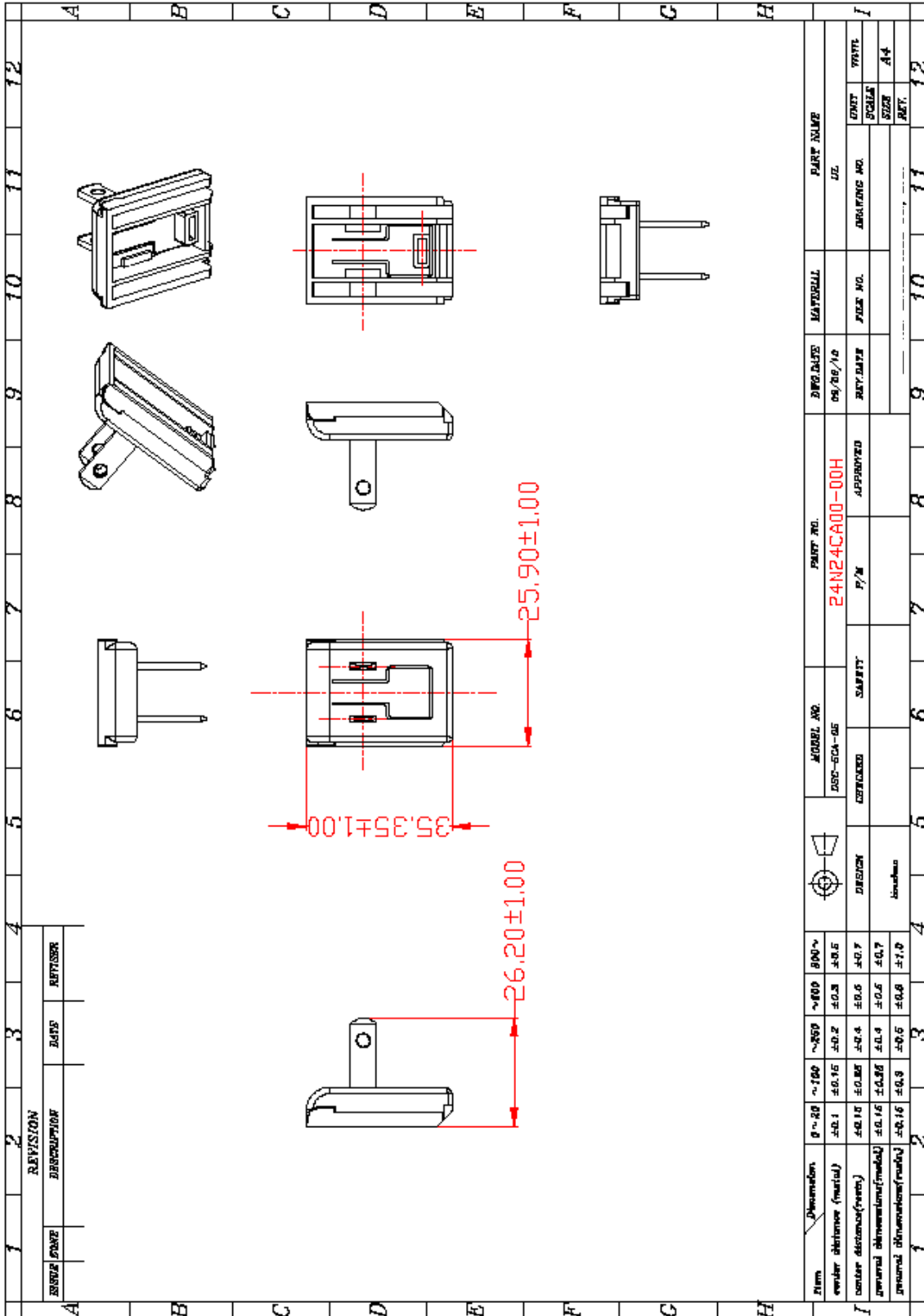
Standard: MIL-HDBK-217F

3. PRODUCT OUTLINE DRAWING



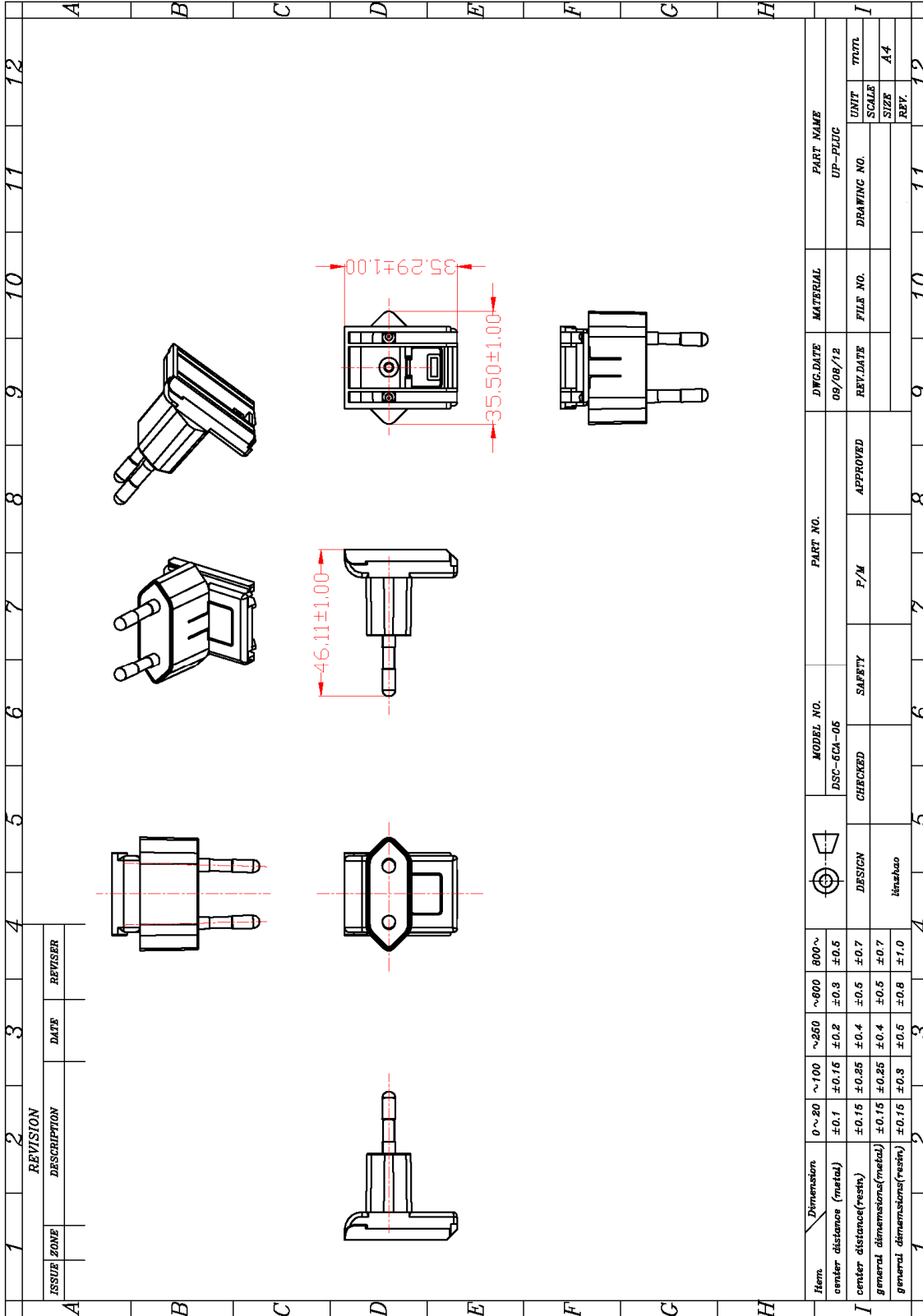
FM-356(A)

3. PRODUCT OUTLINE DRAWING



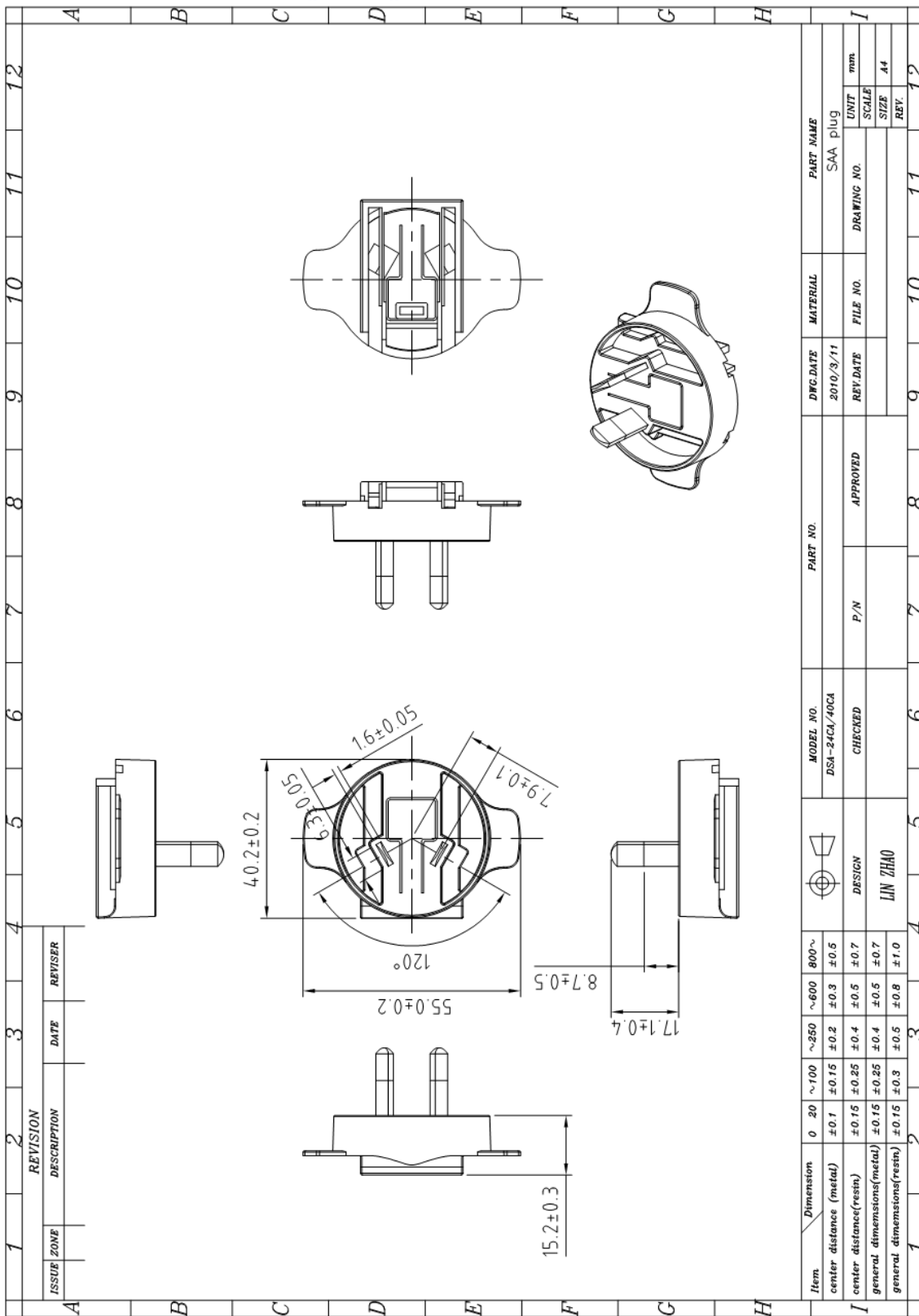
FM-256(Δ)

3. PRODUCT OUTLINE DRAWING

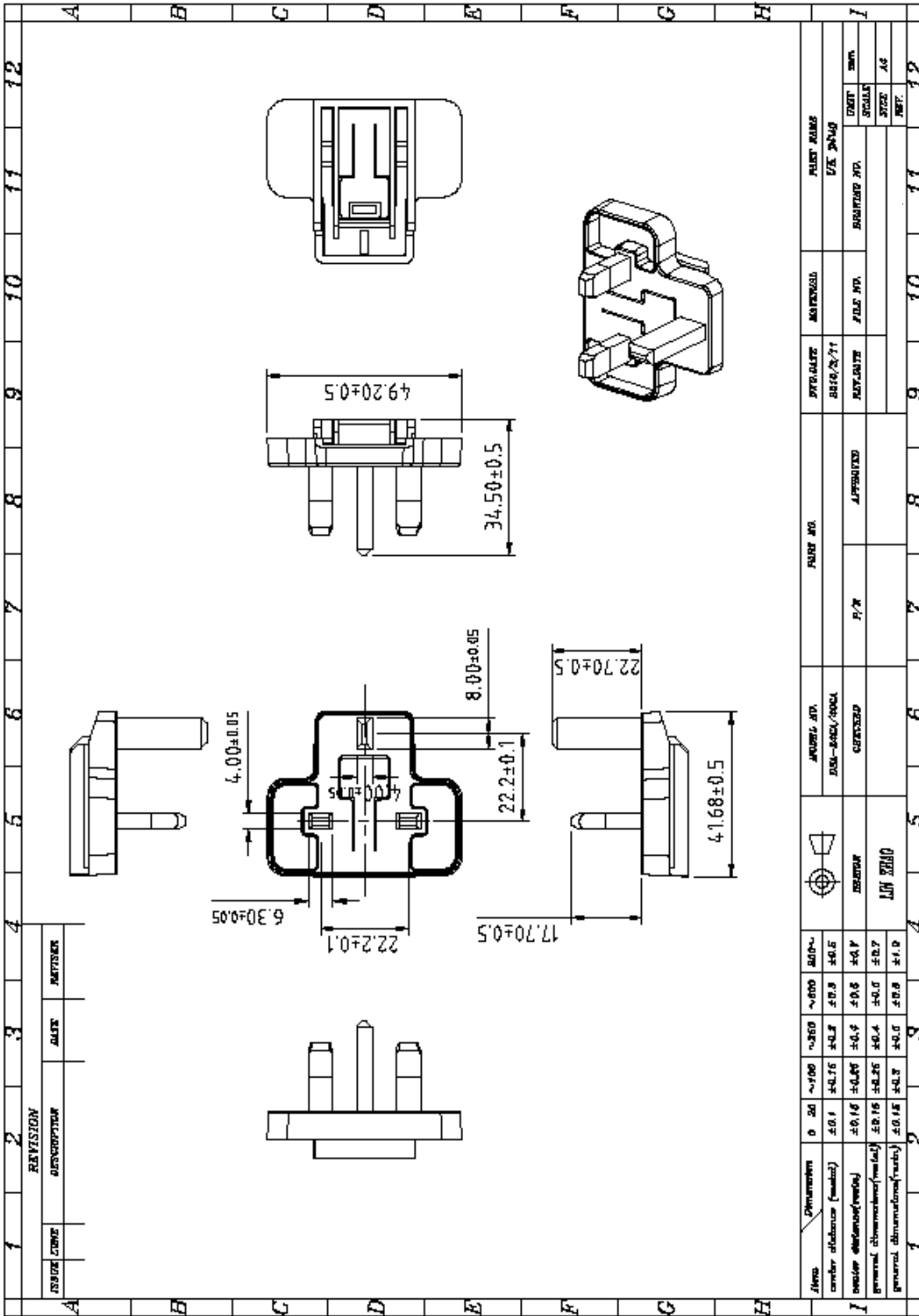


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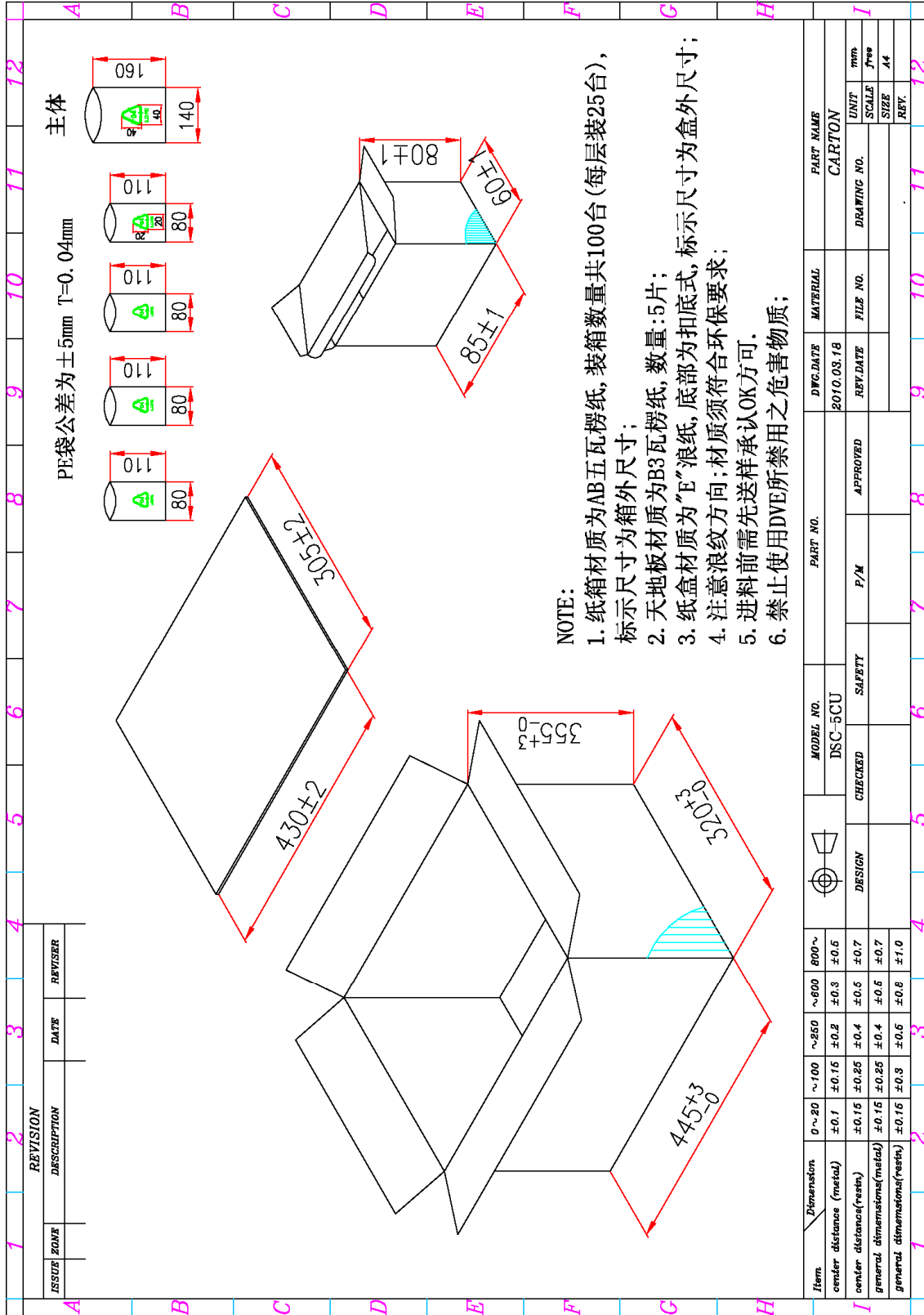
3. PRODUCT OUTLINE DRAWING



3. PRODUCT OUTLINE DRAWING



4. PACKING DRAWING



FM-356(V0)

5. SAFETY LICENSE(UL/CUL)

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DEE VAN ENTERPRISE CO LTD

E135856

NO 5 PAO-KAO RD
HSIN-TIEN, TAIPEI 231 TAIWAN

AC adapters, Model(s) 403A, AC-CS1-U(FUJIFILM), DSA-0021F-05A, DSA-0072, DSA-0101-05, DSA-0101F-05A, DSA-0131F-033, DSA-0131F-05, DSA-0131F-06, DSA-0131F-09, DSA-0131F-12, DSA-0132, DSA-0151AD-05, DSA-0151AD-12, DSA-0151D-05, DSA-0151D-05 x y, where x = 1 or 3, y = 0-13, DSA-0151D-12, DSA-0151F-05, DSA-0151F-12, DSA-0251-05, DSA-1001, DV-1250, DV-1280, DV-1280-3D, DV-1485AC, DV-51A5R, DV-51A5RD, DV-51AAT, DV-52AR-1, DV-580R, MPA-015-12A(J), TDS-0182A, TDS-051211-I-DT

Desk top, Switching Adaptor, Model(s) (1) DSA-50PFA-12 b cd (b1), (2) DSA-50PFA-24 b cd (b2), (1) DSA-50PFA-12 b cd (b3), (2) DSA-50PFA-24 b cd (b4)

Direct plug in adaptor, Model(s) DSA-20P-05 US cd, where c can be 030 to 075, d can be 000 to 150., DSA-20P-10 US cd, where c can be 080 to 094, d can be 000 to 150, DSA-20P-10 US cd, where c can be 095 to 140, d can be 000 to 204, DSA-20P-20 US cd, where c can be 180 to 240, d can be 000 to 204, DSA-30PF-12x, where x = A or blank, DSA-5R-05 FUS xxxyy

Direct Plug In Adaptor, Model(s) DSA-9R-a AUS yz, where a = 03, 05, 12; y, z = 3 digits, 0-9 or A-Z

Direct plug in adaptor, Model(s) DSC-51F-52P US, DSC-51FL-52P US, HSWF-1200400C

Direct Plug In Switching Adapter, Model(s) DSA-12G-12 AUS 120y(y), DSA-12G-12 FUS 120y(y), DSA-20CA-12 de (b5), DSA-20P-aFxx 1 z(e), DSA-30WN-05 US yz, DSA-30WN-12 US yz

Direct plug in Switching Adaptor, Model(s) DSA-12CA-a de (v), DSA-24CA-a de(w), **DSC-5CU-05 de(S)**, DSC-5PFC-05 bc de (K)

Direct plug in Switching Adaptor, 2 pins, Model(s) DSA-9PFB-09 bc de (b=A, B or F; c=UJ or US or JP; d=090-120; e=001-100)

Direct plug-in AC/DC Adapters, Model(s) DSA-0201F-12

Direct plug-in AC/DC adapters, Model(s) DV-0555R-1, DV-095930, DV-0555R

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 050 to 080, y can be 00 to 28, z can be N or blank.

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 081 to 110, y can be 00 to 20, z can be N or blank.

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 111 to 140, y can be 00 to 16, z can be N or blank.

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 141 to 180, y can be 00 to 14, z can be N or blank.

Direct plug-in power adaptor, Model(s) DSC-51FL ab (#)

Direct plug-in power supplies, Model(s) AAA00131-E-3, AD-071, AD-A95100UI, DSA-0031F-05, DSA-0051-03C zJP@, DSA-0051-yyC zUS@, DSA-0051-yyCC zUS@, DSA-0051F-033, DSA-006-03A, DSA-006F-03A, DSA-006X-YYA, DSA-009X-YYA, DSA-0121-XXA, DSA-0121F-XX, DSA-0126A, DSA-0126F, DSA-0151A-XX, DSA-0151F-40, DSA-0151F-X, DSA-0161F-09A, DSA-

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0186A, DSA-0186F, DSA-0301W-12

Direct plug-in power supplies, Model(s) DSA-12W-05 AUSx yyy zz, where x can be 1 or blank, yyy can be 040 to 060, zz can be 00 to 10., DSA-12W-05 FUS, DSA-12W-10 FUS, DSA-12W-15 FUS, DSA-12W-20 FUS, DSA-151MZ-03, DSA-151MZ-05, DSA-31AUS, DSA31SAUS, DSA-31FUS, DSA-31SFUS, DSA-S15-03, DSA-S15-05, DSx-0051-yy zUS @, DV-0550R, DV-062AX, DV-0935-1, DV-0935S-1, DV-0970R, DV-1270R, DV-1280-3, DV-1280-3G, DV-751A, DV-751A5, DV-752AX, DV-91A, DV-9210-1, DV-XXXX-B11, DV-XXXXAC-B11, DVR-3508, DVR-3512, DVR-4109, DVR-4114, DVR-4814, DVR-4818, DVR-530, DVR-5716, DVR-5720, DVR-5725, DVR-B11

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 03 to 06, yz can be 00 to 30, a can be F or blank.

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 07 to 10, yz can be 00 to 18, a can be F or blank.

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 11 to 14, yz can be 00 to 11, a can be F or blank.

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 15 to 18, yz can be 00 to 09, a can be F or blank., EI-3508, EI-3512, EI-4114, MJ-0506, MPA-020-09AJ

Direct Plug-In Power Supply Adapter, Model(s) DSC-5PNx-05 US ab, DSC-5PNx-05 ab, DSC-5PNx-05 JP ab, where x can be L or blank; a and b can be 3 digits), DVR-07520-3508, DVR-XXXX-3508 Series (=)

Direct Plug-in Switching Adapter, Model(s) CY-ZAC50U

Direct Plug-in Switching Adapter, Model(s) DSA-10P-ab cd, where ab can be 03, 05, 07 or 12; c can be 3 digits; d can be 3 digits., DSA-12W-05FUS1050xx, DSA-12W-05FUS1051xx, DSA-12W-05FUS1052xx

Direct Plug-in Switching Adapter, Model(s) DSA-30W-05 US yz, DSA-30W-12 US yz, where y and z can be any 3 digit numbers, 0-9.

Direct Plug-in Switching Adapter, Model(s) DSA-5P-ab xUS c d, where ab can be 03, 05, 08 or 12; x can be F or A; c can be 3 digits; d can be 3 digits., DSA-5W-05 bUS yz (b), DSA-5W-12 bUS yz (b)

Direct plug-in switching adapter, Model(s) DSA-9W-05 FJP yz (c), DSA-9W-05 FUS yz (c), DSA-9W-09 FUS yz (c), DSA-9W-15 FUS yz (c), DSC-5P-01 L US bc, DSC-5P-01 LW US bc, DSC-5P-01 US bc, where b can be 40 to 65, c can be 000 to 100

Direct Plug-in Switching Adapter, Model(s) DVS-120A10AUSz, DVS-120A12AUSz

Direct plug-in switching adapter, Model(s) DVS-150A10AUSz

Direct Plug-in Switching Adaptor, Model(s) DSA-18W-a b1 cd(^)

Direct Plug-In Switching Adaptor, Model(s) DSA-20R-12FUS, DV-721-388 yz, DSA-20R-12FUSyz, DV-721-388yz

Direct Plug-in Switching Power Adaptor, Model(s) DSA-12R-12 AUS yzx(f1), DSA-20R-12 FUS yz(i)

Direct plug-in switching power adaptor, Model(s) DSC-5P-01L US bc

Direct Plug-in Switching Power Adaptor, Model(s) DV-721-388 yz(i), HSWF-1201000C, HSWF-1201500C, HSWF-1200500C, HSWF-1202000C, HSWF-1202500C

Linear direct plug-in power supplies, Model(s) DV-1250AC-01

Linear power supplies, Model(s) DV-121A6ACD, DV-1351AD, MJ-8552US

Power adapters, Model(s) A1F2BN/OZP, DSA-0421S-03 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-05 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-07 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-09 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-12 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-14 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-20 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-24 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-28 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-40 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-48 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-50 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank)

Power adaptors, Model(s) DV-0980S-B20

Power supplies, Model(s) DSA-0121D-03, DSA-0151AD-06, DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0151D-09.5, DSA-0481-12, DSA-0481-12HA, DSA-0501-12, DSA-1001, DSA-1001-13, DSA-1001-24, DSA-1301-20

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Switching Adapter, Model(s) DSA-12GX-a bc de (aa)

Switching Adapter, Model(s) DSA-20PFE-a bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300)

Switching Adapter, Model(s) DSA-20R-12 bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300)

Switching Adapter, Model(s) DSA-24PFD-15 bc xy (b=A or B or F, c= UJ,US, JP ;x=120-150; y=001-200); b=A or B input voltage: 100-120Vac; b=F input voltage: 100-240Vac x= Output voltage :120-150 (120=12Vdc, 150=15Vdc); y= Output current : 001-200 (001=10 mA, 200=2.0A), DSA-26PFA-15 FUS xy (m), DSA-40CA-a bc (o), DSA-40D-a 2 cd (a1), DSA-40D-a 3 cd (a1), DSA-42D-a b cd(r1), DSA-42D-a b cd(r2), DSA-60PFB-24 b cd (+), DSA-60PFB-24 b cd (~)

Switching Adapter, Model(s) DSA-60W-12 1, DSA-60W-12 3, DSA-60W-16 1, DSA-60W-16 3, DSA-60W-20 1, DSA-60W-20 3, DSA-60W-12 2, DSA-60W-16 2, DSA-60W-20 2, DSC-3PFB-05 bc de (j), DSC-5CA-05 bc (b=050 - 075, c=001 - 100), DSC-5PFB-05 bc de (n)

Switching Adaptor, Model(s) DSA-12PFA-a bc de (f3), DSA-12RN-12 AUS 120z(\$), DSA-15CA-12 b yz(h)

Switching Adaptor, Model(s) DSA-20D-a b yz, (a=05,12 or 20; b= 1 or 3 ; yz= 3 digit numbers of any of 0-9), DSA-20D-a b yz, (a=05,12 or 20; b= 2; yz= 3 digit numbers of any of 0-9), DSA-20P-a Fxx z(e), DSA-21F-05-01 US, DSA-30PFA-a bc de (l), DSA-30PFA-a bc de (p), DSA-36W-12 X YY, DSA-36W-12 xx, DSA-3RNA-05 Fc de (z), DSA-50W-12 2 120b(g2), DSA-50W-12 a 120b(g1), DSA-51z-05 xy (z= U or C, x=050 and y=001-100), DSA-55W-12 3 xx(%), DSA-60PFB-12 b cd (q1), DSA-60PFB-12 b cd (q2), DSA-65W-2 xxxy(%), DSA-65W-3 xxxy(%), DSA-6G-05 FUS xy (f2)

Switching Adaptor, Model(s) DSA-90W-ab c xxxxy, where ab can be 12 or 24; c can be 1, 2 or 3; xxx can be 120 to 240; yy can be 00 to 90.

Switching adaptor, Model(s) DSC-31F US52050, DSC-31FLUS52050

Switching Adaptor, Model(s) DSC-6PFA-05 Fc de(k1), DSC-6PFA-12 Fc de(k2), HSWF-1202000I, HSWF-1202500I, HSWF-1203000I

Switching adaptors, Model(s) DSC-5WU-05 xUS cccddd(d)

Switching charger, Model(s) DSC-0051-03C, M120201

Switching Power Adaptor, Model(s) 5-2791, 5-2792, DSA-15P-a US yz, DSA-15PR-a US yz, DSA-15PR-a UJ yz

Switching power adaptors, Model(s) DSA-0601S-12 1, DSA-0601S-12 2, DSA-0601S-12 3, DSA-0601S-19 1, DSA-0601S-19 2, DSA-0601S-19 3

Switching power adaptors, Model(s) DSA-36W-16 a, where a = output power (output max. 36W, 15-18Vdc, max. 2.4 A), HSWF-1205000I or HSWF-1204000I

Switching Power Supply, Model(s) DSA-20PL-10 US cd (c = 095-140, d = 000-204), DSA-6E-a b yz (a = 05 or 12, b = US or JP, y and z = any 3 digits)

Switching power supply, Model(s) DSC-51F ab (a)

(#) - Where "a" may be 40 to 60, and "b" may be 001 to 100.

(\$) - Where "z" can be any numbers between 001-120

(%) - Where x, y can be any alphanumeric charter or blank.

(+) - (b=1 or 3; c=190-240, d=001 to 316)

(=) - Where X can be any alphanumeric charter or blank.

(a) - Where "a " may be 40 to 60, and "b" may be 001 to 100.

(a1) - Where a = 12 or 19; c=120 to 160 or 161 to 200; d=001 to 300 or 001 to 248

(b) - (b=A or F, y and z can be any 3 digit numbers(0-9) or blank)

(b1) - (b=1 or 3, c=120-150 for output voltage, d=001-416 for output current)

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- (b2) - (b=1 or 3, c=240 for output voltage, d=001-209 for output current)
- (b3) - (b=2, c=120-150 for output voltage, d=001-416 for output current)
- (b4) - (b=2, c=240 for output voltage, d=001-209 for output current)
- (b5) - where d = 090 ~ 120 for output voltage (090 = 9Vdc; 120 = 12Vdc); e = 001 ~ 200 for output current (001 = 0.01A; 200 = 2A)
- (c) - Where y and z can be any 3 digit numbers, 0-9.
- (d) - Where x can be A or F; ccc can be any number 045 to 081; ddd can be any number 062 to 100.
- (e) - Where a=01-05, x=A or Z for marking purpose, z=001-195.
- (f1) - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120; x can be S or blank.
- (f2) - Where x and y can be three-digit numbers.
- (f3) - a may be 03, 05, 09 or 15; b may be F; c may be US; d may be 033 to 080 and 090 to 150; e may be 001 to 200.
- (g1) - Where a=1, 3 ; b=000 to 500
- (g2) - Where b=000 to 500
- (h) - Where b=AA to ZZ or blank, y=090-120, z=001-150
- (i) - where y and z = 3 digit number which can be 0-9 or blank
- (j) - b = A, B or F; c = UJ, US or JP; d = three-digit number from 030 to 055; e = three-digit number from 001 to 070
- (K) - (b=A, B or F; c=UJ or US or JP; d=050-075; e=001-100) b= A or B for input voltage: 100-120 Vac, b= F for input voltage: 100-240 Vac; d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)
- (k1) - Where c=US, UJ or JP; d=050 to 075; e=001 to 100.
- (k2) - Where c=US, UJ or JP; d=080 to 120; e=001 to 075.
- (l) - Where a=15 or 19 ,b=A or B or F; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (m) - x = 120; y = 001 to 210
- (n) - b=F or A, c=UJ or US, d=042-050, e=001-100
- (o) - Where a = 12, 19; b = 120 - 160 or 161 - 200, c = 001 - 300 or 001 - 248
- (p) - Where a=15 or 19, b=A or B or F or blank; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (q1) - where b=1 or 3; c=001-120, d=001 to 500
- (q2) - where b=2; c=001-120, d=001 to 500
- (r1) - Where a = 12, 19, 24, 48; b=1 or 3; c=120 to 150 or 160 to 200 or 201 to 240 or 480 to 500; d=001 to 350 or 001 to 263 or 001 to 209 or 001 to 100
- (r2) - Where a = 12, 19, 24, 48; b=2; c=120 to 150 or 160 to 200 or 201 to 240 or 480 to 500; d=001 to 350 or 001 to 263 or 001 to 209 or 001 to 100
- (S) - d=050-075; e=001-100, d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)
- (v) - (a=05 or 12) (d=050-120) (e=001-200)

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(w) - where a = 05 or 12 for output voltage range; d = 050 ~ 160 for output voltage (050 = 5Vdc; 160 = 16Vdc); e = 001 ~ 400 for output current (001 = 0.01A; 400 = 4A)

(y) - Where y=001 to 120.

(z) - c = US or UJ, d and e = any 3 digits

(~) - (b=2; c=190-240, d=001 to 316)

@ - Where x may A or R; yy may 03, 05, 07, 12; z may be A or F denoting rated voltage range, F for 100-240V, A for 100-120V.

a UJ yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

a US yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

aa - (a=09, 12, 15; b=F or A, c=UJ or US, d=090-180, e=001-120)

AUS yz - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120.

FUS xxxyyy - Where xxx can be any numbers between 042 - 090; yyy can be any numbers between 050 - 080.

^ - a=12, b=US, JP, c=3 digit number for output voltage, d=3 digit number for power

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AC adapters, Model(s) 403A, AC-CS1-U(FUJIFILM), DSA-0021F-05A, DSA-0072, DSA-0101-05, DSA-0101F-05A, DSA-0131F-033, DSA-0131F-05, DSA-0131F-06, DSA-0131F-09, DSA-0131F-12, DSA-0132, DSA-0151-12, DSA-0151-12S, DSA-0151AD-05, DSA-0151AD-12, DSA-0151D-05, DSA-0151D-05 x y, where x = 1 or 3, y = 0-13, DSA-0151D-12, DSA-0151F-05, DSA-0151F-12, DSA-0182, DSA-0251-05, DSA-0283A, DSA-0301-05, DSA-0301-12, DSA-0301-16, DSA-0301-18, DSA-0301-24, DSA-0302-01, DSA-0303-01, DSA-0303-02, DSA-0303-03, DSA-0303-04, DSA-0303-04A, DSA-1001, DSA0101A-05A, DV-1250, DV-1280, DV-1280-3D, DV-1485AC, DV-1840WAC, DV-51A5R, DV-51A5RD, DV-51AAT, DV-52AR-1, DV-580R, MPA-015-12A(J), TDS-0182A, TDS-051211-1-DT

Desk top, Switching Adaptor, Model(s) (1) DSA-50PFA-12 b cd (b1), (2) DSA-50PFA-24 b cd (b2), (1) DSA-50PFA-12 b cd (b3), (2) DSA-50PFA-24 b cd (b4)

Direct plug in adaptor, Model(s) DSA-20P-05 US cd, where c can be 030 to 075, d can be 000 to 150., DSA-20P-10 US cd, where c can be 080 to 094, d can be 000 to 150, DSA-20P-10 US cd, where c can be 095 to 140, d can be 000 to 204, DSA-20P-20 US cd, where c can be 180 to 240, d can be 000 to 204, DSA-30PF-12x, where x = A or blank, DSA-5R-05 FUS xxxyyy

Direct Plug In Adaptor, Model(s) DSA-9R-a AUS yz, where a = 03, 05, 12; y, z = 3 digits, 0-9 or A-Z

Direct plug in adaptor, Model(s) DSC-51F-52P US, DSC-51FL-52P US, HSWF-1200400C

Direct Plug In Switching Adaptor, Model(s) DSA-12G-12 AUS 120y(y), DSA-12G-12 FUS 120y(y), DSA-20CA-12 de (b5), DSA-20P-aFxx 1 z(e), DSA-30WN-05 US yz, DSA-30WN-12 US yz

Direct plug in Switching Adaptor, Model(s) DSA-12CA-a de (v), DSA-24CA-a de(w), **DSC-5CU-05 de(S)**, DSC-5PFC-05 bc de (K)

Direct plug in Switching Adaptor, 2 pins, Model(s) DSA-9PFB-09 bc de (b=A, B or F; c=UJ or US or JP; d=090-120; e=001-100)

Direct plug-in AC/DC Adapters, Model(s) DSA-0201F-12

Direct plug-in AC/DC adapters, Model(s) DV-0555R-1, DV-095930, DV-0555R

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 050 to 080, y can be 00 to 28, z can be N or blank.

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 081 to 110, y can be 00 to 20, z can be N or blank.

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 111 to 140, y can be 00 to 16, z can be N or blank.

Direct plug-in AC/DC adapters, Model(s) DVS-xAyFUSz, where x can be 141 to 180, y can be 00 to 14, z can be N or blank.

Direct plug-in power adaptor, Model(s) DSC-51FL ab (#)

Direct plug-in power supplies, Model(s) AAA00131-E-3, AD-071, AD-A95100UI, DSA-0031F-05, DSA-0051-03C zJP@, DSA-

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0051-yyC zUS@, DSA-0051-yyCC zUS@, DSA-0051F-033, DSA-006-03A, DSA-006F-03A, DSA-006X-YYA, DSA-009X-YYA, DSA-0121-XXA, DSA-0121F-XX, DSA-0126A, DSA-0126F, DSA-0151A-XX, DSA-0151F-40, DSA-0151F-X, DSA-0161F-09A, DSA-0186A, DSA-0186F, DSA-0301W-12

Direct plug-in power supplies, Model(s) DSA-12W-05 AUSx yyy zz, where x can be 1 or blank, yyy can be 040 to 060, zz can be 00 to 10., DSA-12W-05 FUS, DSA-12W-10 FUS, DSA-12W-15 FUS, DSA-12W-20 FUS, DSA-151MZ-03, DSA-151MZ-05, DSA-31AUS, DSA31SAUS, DSA-31FUS, DSA-31SFUS, DSA-S15-03, DSA-S15-05, DSx-0051-yy zUS @, DV-0550R, DV-062AX, DV-0935-1, DV-0935S-1, DV-0970R, DV-102AAC, DV-1270R, DV-1280-3, DV-1280-3G, DV-2480AC, DV-3060, DV-751A, DV-751A5, DV-752AX, DV-91A, DV-9210-1, DV-XXXX-B11, DV-XXXXAC-B11, DVR-3508, DVR-3512, DVR-4109, DVR-4114, DVR-4814, DVR-4818, DVR-530, DVR-5716, DVR-5720, DVR-5725, DVR-B11

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 03 to 06, yz can be 00 to 30, a can be F or blank.

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 07 to 10, yz can be 00 to 18, a can be F or blank.

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 11 to 14, yz can be 00 to 11, a can be F or blank.

Direct plug-in power supplies, Model(s) DVS-xyAzaUSC, where x can be 15 to 18, yz can be 00 to 09, a can be F or blank., EI-3508, EI-3512, EI-4109, EI-4114, EI-4811, EI-4818, MJ-0506, MPA-020-09AJ

Direct Plug-In Power Supply Adapter, Model(s) DSC-5PNx-05 US ab, DSC-5PNx-05 ab, DSC-5PNx-05 JP ab, where x can be L or blank; a and b can be 3 digits), DVR-07520-3508, DVR-XXXX-3508 Series (=)

Direct Plug-in Switching Adapter, Model(s) CY-ZAC50U

Direct Plug-in Switching Adapter, Model(s) DSA-10P-ab cd, where ab can be 03, 05, 07 or 12; c can be 3 digits; d can be 3 digits., DSA-12W-05FUS1050xx, DSA-12W-05FUS1051xx, DSA-12W-05FUS1052xx

Direct Plug-in Switching Adapter, Model(s) DSA-30W-05 US yz, DSA-30W-12 US yz, where y and z can be any 3 digit numbers, 0-9.

Direct Plug-in Switching Adapter, Model(s) DSA-5P-ab xUS c d, where ab can be 03, 05, 08 or 12; x can be F or A; c can be 3 digits; d can be 3 digits., DSA-5W-05 bUS yz (b), DSA-5W-12 bUS yz (b)

Direct plug-in switching adapter, Model(s) DSA-9W-05 FJP yz (c), DSA-9W-05 FUS yz (c), DSA-9W-09 FUS yz (c), DSA-9W-15 FUS yz (c), DSC-5P-01 L US bc, DSC-5P-01 LW US bc, DSC-5P-01 US bc, where b can be 40 to 65, c can be 000 to 100

Direct Plug-in Switching Adapter, Model(s) DVS-120A10AUSz, DVS-120A12AUSz

Direct plug-in switching adapter, Model(s) DVS-150A10AUSz

Direct Plug-in Switching Adapter, Model(s) DSA-18W-a b1 cd(^)

Direct Plug-In Switching Adaptor, Model(s) DSA-20R-12FUS, DV-721-388 yz, DSA-20R-12FUSyz, DV-721-388yz

Direct Plug-in Switching Power Adaptor, Model(s) DSA-12R-12 AUS yzx(f1), DSA-20R-12 FUS yz(i)

Direct plug-in switching power adaptor, Model(s) DSC-5P-01L US bc

Direct Plug-in Switching Power Adaptor, Model(s) DV-721-388 yz(i), HSWF-1201000C, HSWF-1201500C, HSWF-1200500C, HSWF-1202000C, HSWF-1202500C

Linear direct plug-in power supplies, Model(s) DV-1250AC-01

Linear power supplies, Model(s) DV-121A6ACD, DV-1351AD, MJ-8552US

Power adapters, Model(s) A1F2BN/OZP, DSA-0421S-03 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-05 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-07 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-09 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-12 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-14 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-20 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-24 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-28 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-40 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-48 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank), DSA-0421S-50 Y zz (Y may be 1, 2, or 3, z can be 0-9, A-Z or blank)

Power adapters, Model(s) DV-0980S-B20

Power supplies, Model(s) DSA-0121D-03, DSA-0151AD-06, DSA-0151D-05, DSA-0151D-06, DSA-0151D-09, DSA-0151D-

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09.5, DSA-0481-12, DSA-0481-12HA, DSA-0501-12, DSA-1001, DSA-1001-13, DSA-1001-24, DSA-1301-20

Switching Adapter, Model(s) DSA-12GX-a bc de (aa)

Switching Adapter, Model(s) DSA-20PFE-a bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300)

Switching Adapter, Model(s) DSA-20R-12 bc de (a=05, 12, 15; b=A or B or F; c=UJ or US or JP; d=050-180; e=001-300)

Switching Adapter, Model(s) DSA-24PFD-15 bc xy (b=A or B or F, c= UJ,US, JP ;x=120-150; y=001-200); b=A or B input voltage: 100-120Vac; b=F input voltage: 100-240Vac x= Output voltage :120-150 (120=12Vdc, 150=15Vdc); y= Output current : 001-200 (001=10 mA, 200=2.0A), DSA-26PFA-15 FUS xy (m), DSA-40CA-a bc (o), DSA-40D-a 2 cd (a1), DSA-40D-a 3 cd (a1), DSA-42D-a b cd(r1), DSA-42D-a b cd(r2), DSA-60PFB-24 b cd (+), DSA-60PFB-24 b cd (~)

Switching Adapter, Model(s) DSA-60W-12 1, DSA-60W-12 3, DSA-60W-16 1, DSA-60W-16 3, DSA-60W-20 1, DSA-60W-20 3, DSA-60W-12 2, DSA-60W-16 2, DSA-60W-20 2, DSC-3PFB-05 bc de (j), DSC-5CA-05 bc (b=050 - 075, c=001 - 100), DSC-5PFB-05 bc de (n)

Switching Adaptor, Model(s) DSA-12PFA-a bc de (f3), DSA-12RN-12 AUS 120z(s), DSA-15CA-12 b yz(h)

Switching Adaptor, Model(s) DSA-20D-a b yz, (a=05,12 or 20; b= 1 or 3 ; yz= 3 digit numbers of any of 0-9), DSA-20D-a b yz, (a=05,12 or 20; b= 2; yz= 3 digit numbers of any of 0-9), DSA-20P-a Fxx z(e), DSA-21F-05-01 US, DSA-30PFA-a bc de (l), DSA-30PFA-a bc de (p), DSA-36W-12 X YY, DSA-36W-12 xx, DSA-3RNA-05 Fc de (z), DSA-50W-12 2 120b(g2), DSA-50W-12 a 120b(g1), DSA-51z-05 xy (z= U or C, x=050 and y=001-100), DSA-55W-12 3 xx(%), DSA-60PFB-12 b cd (q1), DSA-60PFB-12 b cd (q2), DSA-65W-2 xxyy(%), DSA-65W-3 xxyy(%), DSA-6G-05 FUS xy (f2)

Switching Adaptor, Model(s) DSA-90W-ab c xxxyy, where ab can be 12 or 24; c can be 1, 2 or 3; xxx can be 120 to 240; yy can be 00 to 90.

Switching adaptor, Model(s) DSC-31F US52050, DSC-31FLUS52050

Switching Adaptor, Model(s) DSC-6PFA-05 Fc de(k1), DSC-6PFA-12 Fc de(k2), HSWF-1202000I,HSWF-1202500I,HSWF-1203000I

Switching adaptors, Model(s) DSC-5WU-05 xUS cccddd(d)

Switching charger, Model(s) DSC-0051-03C, M120201

Switching Power Adapter, Model(s) 5-2791, 5-2792, DSA-15P-a US yz, DSA-15PR-a US yz, DSA-15PR-a UJ yz

Switching power adaptors, Model(s) DSA-0601S-12 1, DSA-0601S-12 2, DSA-0601S-12 3, DSA-0601S-19 1, DSA-0601S-19 2, DSA-0601S-19 3, DSA-342

Switching power adaptors, Model(s) DSA-36W-16 a, where a = output power (output max. 36W, 15-18Vdc, max. 2.4 A), HSWF-1205000I or HSWF-1204000I

Switching Power Supply, Model(s) DSA-20PL-10 US cd (c = 095-140, d = 000-204), DSA-6E-a b yz (a = 05 or 12, b = US or JP, y and z = any 3 digits)

Switching power supply, Model(s) DSC-51F ab (a)

(#) - Where "a" may be 40 to 60, and "b" may be 001 to 100.

(\$) - Where "z" can be any numbers between 001-120

(%) - Where x, y can be any alphanumeric charter or blank.

(+) - (b=1 or 3; c=190-240, d=001 to 316)

(=) - Where X can be any alphanumeric charter or blank.

(a) - Where "a " may be 40 to 60, and "b" may be 001 to 100.

(a1) - Where a = 12 or 19; c=120 to 160 or 161 to 200; d=001 to 300 or 001 to 248

(b) - (b=A or F, y and z can be any 3 digit numbers(0-9) or blank)

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- (b1) - (b=1 or 3, c=120-150 for output voltage, d=001-416 for output current)
- (b2) - (b=1 or 3, c=240 for output voltage, d=001-209 for output current)
- (b3) - (b=2, c=120-150 for output voltage, d=001-416 for output current)
- (b4) - (b=2, c=240 for output voltage, d=001-209 for output current)
- (b5) - where d = 090 ~ 120 for output voltage (090 = 9Vdc; 120 = 12Vdc); e = 001 ~ 200 for output current (001 = 0.01A; 200 = 2A)
- (c) - Where y and z can be any 3 digit numbers, 0-9.
- (d) - Where x can be A or F; ccc can be any number 045 to 081; ddd can be any number 062 to 100.
- (e) - Where a=01-05, x=A or Z for marking purpose, z=001-195.
- (f1) - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120; x can be S or blank.
- (f2) - Where x and y can be three-digit numbers.
- (f3) - a may be 03, 05, 09 or 15; b may be F; c may be US; d may be 033 to 080 and 090 to 150; e may be 001 to 200.
- (g1) - Where a=1, 3 ; b=000 to 500
- (g2) - Where b=000 to 500
- (h) - Where b=AA to ZZ or blank, y=090-120, z=001-150
- (i) - where y and z = 3 digit number which can be 0-9 or blank
- (j) - b = A, B or F; c = UJ, US or JP; d = three-digit number from 030 to 055; e = three-digit number from 001 to 070
- (K) - (b=A, B or F; c=UJ or US or JP; d=050-075; e=001-100) b= A or B for input voltage: 100-120 Vac, b= F for input voltage: 100-240 Vac; d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)
- (k1) - Where c=US, UJ or JP; d=050 to 075; e=001 to 100.
- (k2) - Where c=US, UJ or JP; d=080 to 120; e=001 to 075.
- (l) - Where a=15 or 19 ,b=A or B or F; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (m) - x = 120; y = 001 to 210
- (n) - b=F or A, c=UJ or US, d=042-050, e=001-100
- (o) - Where a = 12, 19; b = 120 - 160 or 161 - 200, c = 001 - 300 or 001 - 248
- (p) - Where a=15 or 19, b=A or B or F or blank; c=UJ or US or JP; d=120-160 or 180-200; e=001-220 or 001-169
- (q1) - where b=1 or 3; c=001-120, d=001 to 500
- (q2) - where b=2; c=001-120, d=001 to 500
- (r1) - Where a = 12, 19, 24, 48; b=1 or 3; c=120 to 150 or 160 to 200 or 201 to 240 or 480 to 500; d=001 to 350 or 001 to 263 or 001 to 209 or 001 to 100
- (r2) - Where a = 12, 19, 24, 48; b=2; c=120 to 150 or 160 to 200 or 201 to 240 or 480 to 500; d=001 to 350 or 001 to 263 or 001 to 209 or 001 to 100
- (S) - d=050-075; e=001-100, d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc); e= Output current: 001-100 (001=10mA, 100=1.0A)

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(v) - (a=05 or 12) (d=050-120) (e=001-200)

(w) - where a = 05 or 12 for output voltage range; d = 050 ~ 160 for output voltage (050 = 5Vdc; 160 = 16Vdc); e = 001 ~ 400 for output current (001 = 0.01A; 400 = 4A)

(y) - Where y=001 to 120.

(z) - c = US or UJ, d and e = any 3 digits

(~) - (b=2; c=190-240, d=001 to 316)

@ - Where x may A or R; yy may 03, 05, 07, 12; z may be A or F denoting rated voltage range, F for 100-240V, A for 100-120V.

a UJ yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

a US yz - Where a can be "05", y can be any number between 050-075, z can be any number between 001-130; or where a can be "12", y can be any number between 090-135, z can be any number between 001-150 or where a can be "15", y can be any number between 136-166, z can be any number between 001-150; or when a = "24"; y = 240; z can be any numbers between 001-120 to denote output power in Watt by 1 decimal place.

aa - (a=09, 12, 15; b=F or A, c=UJ or US, d=090-180, e=001-120)

AUS yz - Where y can be any numbers between 090 - 120; z can be any numbers between 001 - 120.

FUS xxxyyy - Where xxx can be any numbers between 042 - 090; yyy can be any numbers between 050 - 080.

^ - a=12, b=US, JP, c=3 digit number for output voltage, d=3 digit number for power

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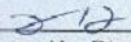
Verification of Compliance

We, **SPECTRUM RESEARCH & TESTING LABORATORY, INC.**, Herewith confirm that one sample of the following product:

Product : Switching Adapter
DSC-5CU-05 de (d=050-075; e=001-100),
Model No. : d= Output voltage: 050-075 (050=5Vdc, 075=7.5Vdc);
e= Output current: 001-100 (001=10mA, 100=1.0A)
Applicant : Dee Van Enterprise Co., Ltd.
No. 5 Pao-Kao Road, Hsin-Tien
Taipei (231) Taiwan, R.O.C.

has been tested at our laboratory with positive results. The test records were represented in reference No.: **A10050703** according to the following standards:

FCC : 47 CFR Part 15, Subpart B, Class B
ANSI C63.4:2003
Canada : ICES-003:2004



Johnson Ho, Director
Issued Date: May 12, 2010

 **SPECTRUM RESEARCH & TESTING LAB., INC.**

Head Office: No. 101-10, Ling 8, Shan-Tong Li, Chungli City, Taoyuan, Taiwan R.O.C.
TEL:(03)498-7684 FAX:(03)498-8194 <http://www.srtlab.com> e-mail: service@srtlab.com

5. SAFETY LICENSE(TVU-GS)

-- 12 / 23

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
S1 50175330

Blatt *Page*
0007

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Längstens gültig bis <i>Latest expiration date</i>	<i>(day/mo/yr)</i>
X.R.Z.	05-RX- 16021924 002	28.02.2015	

Genehmigungsinhaber *License Holder*
Dee Van Enterprise Co., Ltd.
No. 5, Pao-Kao Road
Hsin Tien, Taipei 231
Taiwan

Fertigungsstätte *Manufacturing Plant*
Dee Van Electronics (Longchuan)
Co., Ltd.
Meichun Industrial District
Longchuan Country
Heyuan, Guangdong 517300
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 60950-1:2006+All
ZEK 01.2-08/12.08

Der Anhang I der Richtlinie 2006/95/EG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden.
Annex I of the directive 2006/95/EC is complied with. The certificate can be used in connection with the EC declaration of conformity acc. to Annex III.

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Netzgerät (Switching Adapter)

wie Blätter (as pages) 0001
Ergänzung (Addition)

Serienbezeichnung (<i>Series Type Designation</i>)	Nenneingangswerte (<i>Rated Input</i>)	
DSC-5CU-05 de	AC 100-240V, 50/60Hz, 0,2A	15

d = Dreistellige Zahl, welche die die Ausgangsspannung in Volt angibt, nach Teilung der Zahl durch 10.
(Are 3 numerical digits, which represent the output voltage in Volt after dividing the number by 10)
e = Dreistellige Zahl, welche die den Ausgangsstrom in A angibt, nach Teilung der Zahl durch 100.
(Are 3 numerical digits, which represent the output current in A after dividing the number by 100)

ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation. Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Zertifizierungsstelle

Dipl.-Ing. (FH) T. Zimmer

Ausstellungsdatum *Date of Issue* : 12.05.2010 (day/mo/yr)

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50175339 0002

Report No.: 16021924 002

Holder: **Dee Van Enterprise Co., Ltd.**
No. 5, Pao-Kao Road
Hsin Tien, Taipei 231
Taiwan

Product: Power Supply
(Switching Adapter)

Identification: DSC-5CU-05 de

For a detailed listing of the variables d, e refer to
license S1 50175330 0007.

Serial No.: n.a.
(Issued in conjunction with above TÜV Rheinland license)

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body



Date 12.05.2010

Dipl.-Ing. (FH) T. Zimmer

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. **CE**

5. SAFETY LICENSE(T-LICENSE)

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Certificate



Certificate no.

T 50180787 01

License Holder:

Dee Van Enterprise Co., Ltd.
No. 5, Pao-Kao Road
Hsin Tien, Taipei 231
Taiwan

Manufacturing Plant:

Dee Van Electronics (Longchuan)
Co., Ltd.
Meichun Industrial District
Longchuan Country
Heyuan, Guangdong 517300
P.R. China

Test report no.: RX 16021925 001

Client Reference: X.R.Z.

Tested to: EN 60950-1:2006+A11
BS EN 60950-1:2006

Certified Product: (Switching Adapter)

License Fee - Units

Series Type Designation : DSC-5CU-05 de
d = Are 3 numerical digits, which represent the output
voltage in Volt after dividing the number by 10.
e = Are 3 numerical digits, which represent the output
current in A after dividing the number by 100.
Rated Input : AC 100-240V, 50/60Hz, 0,2A
Protection Class : II
max. Ambient Temperature : 50°C
Rated Output Voltage : DC 5,0 - 7,5V
Rated Output Current : 1,0A Max.
Output Power : 5,2W Max.
Continued on page 0002

15

Appendix: 1

15

Licensed Test mark:



TÜV Rheinland/CCIC (Qingdao) Co., Ltd.
Signature

T. Zimmer

Dipl.-Ing. (FH) T. Zimmer



Date of Issue
(day/mo/yr)
12/05/2010

TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China
Tel: +86-532-8578-1778, Fax: +86-532-8578-1079

5. SAFETY LICENSE(T-LICENSE)

-- 15 / 23

Certificate



Certificate no.

T 50180787 02

License Holder:

Dee Van Enterprise Co., Ltd.
No. 5, Pao-Kao Road
Hsin Tien, Taipei 231
Taiwan

Manufacturing Plant:

Dee Van Electronics (Longchuan)
Co., Ltd.
Meichun Industrial District
Longchuan Country
Heyuan, Guangdong 517300
P.R. China

Test report no.: RX 16021925 001

Client Reference: X.R.Z.

Tested to: EN 60950-1:2006+A11
BS EN 60950-1:2006

Certified Product: (Switching Adapter)

License Fee - Units

as page 01
Continuation

Remark: Output voltage and current have values in steps of 0,1V resp. 0,01A. By multiplication of both values the type designations are limited through the max. Output Power. The equipment is also tested and complied with sub-clause 2.5 of the applied standard as limited power source.

Addition

Factory see above

Licensed Test mark:



TÜV Rheinland/CCIC (Qingdao) Co., Ltd.

Signature



Dipl.-Ing. (FH) T. Zimmer

Date of Issue
(day/mo/yr)
12/05/2010



TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China
Tel: +86-532-8578-1778, Fax: +86-532-8578-1079

5. SAFETY LICENSE(T-LICENSE)

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Certificate



Certificate no.

T 50180787 03

License Holder:
Dee Van Enterprise Co., Ltd.
No. 5, Pao-Kao Road
Hsin Tien, Taipei 231
Taiwan

Manufacturing Plant:
Dee Van Electronics (Shenzhen)
Co., Ltd.
The 5th Industrial District
Gongming, Bao An District
Shenzhen, Guangdong 518106
P.R. China

Test report no.: RX 16021925 001
Tested to: EN 60950-1:2006+A11
BS EN 60950-1:2006

Client Reference: X.R.Z.

Certified Product: (Switching Adapter)

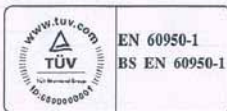
License Fee - Units

as page 01

Addition

Factory : see above

Licensed Test mark:



TÜV Rheinland/CCIC (Qingdao) Co., Ltd.
Signature

Dipl.-Ing. (FH) T. Zimmer

Date of Issue
(day/mo/yr)
12/05/2010



TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China
Tel: +86-532-8578-1778, Fax: +86-532-8578-1079

5. SAFETY LICENSE(T-LICENSE)

-- 17 / 23

Certificate



Certificate no.

T 50180787 04

License Holder:

Dee Van Enterprise Co., Ltd.
No. 5, Pao-Kao Road
Hsin Tien, Taipei 231
Taiwan

Manufacturing Plant:

Dee Van Electronics (Jiashan)
Co., Ltd.
Sanqi Electronics Information
Industry District Jiashan Economy
Development Zone, Jiashan Town
Jiaxing, Zhejiang 314100
P.R. China

Test report no.: RX 16021925 001

Client Reference: X.R.Z.

Tested to: EN 60950-1:2006+A11
BS EN 60950-1:2006

Certified Product: (Switching Adapter)

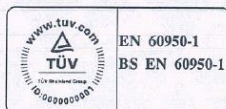
License Fee - Units

as page 01

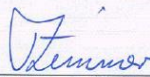
Addition

Factory : see above

Licensed Test mark:



TÜV Rheinland/CCIC (Qingdao) Co., Ltd.
Signature


Dipl.-Ing. (FH) T. Zimmer




Date of Issue
(day/mo/yr)
12/05/2010



TÜV Rheinland/CCIC (Qingdao) Co., Ltd., No.175 Zhuzhou Rd., Qingdao 266101, P.R.China
Tel: +86-532-8578-1778, Fax: +86-532-8578-1079

5. SAFETY LICENSE(T-LICENSE)

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C E R T I F I C A T E		
of Conformity Low Voltage Directive 2006/95/EC		
Registration No.:	AN 50180788 0001	
Report No.:	16021925 001	
Holder:	Dee Van Enterprise Co., Ltd. No. 5, Pao-Kao Road Hsin Tien, Taipei 231 Taiwan	
Product:	Power Supply (Switching Adapter)	
Identification:	DSC-5CU-05 de For a detailed listing of the variables d, e refer to license T 50180787 01-04. Serial No.: n.a. (Issued in conjunction with above TÜV Rheinland license)	
<p>This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.</p>		
		Certification Body
Qingdao, <u>12.05.2010</u>		 Dipl.-Ing. (FH) T. Zimmer
TÜV Rheinland/CCIC (Qingdao) Co., Ltd. - Qingdao 266071 - P.R.China		
CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE		



NS Technology Co., Ltd.
Chenwu Industrial Zone, Houjie Town,
Dongguan City, Guangdong, China

Tel : 86-769-85935656
Fax : 86-769-85991080
Http : //www.nasco.cn



Certificate of Compliance

No. NSE-E10075121

The following products have been tested by us with the listed standards and found in compliance with the council EMC directive 2004/108/EC. It is demonstrative for the compliance with this EMC Directive.

Applicant : Dee Van Enterprise Co., Ltd.
Address : No.5, Pao-Kao Road, Hsin-Tien, Taipei 231, Taiwan
Product : Switching Power Adaptor
Trade Name : DVE
Model No. : DSC-5PFC-a bc de/DSC-5CU-a de
 "a" can be 05, means the output voltage range is 5.0-7.5V.
 "b" can be A, F or B, 'F' means the input voltage range is 100-240V,
 'A' means the input voltage range is 200-240V,
 'B' means the input voltage range is 100-120V.
 'c': can be EU, UP, UK, US, UJ, JP, CH, IN, AU, KA, AN or AR;
 EU or UP means European plug used, UK means British plug used,
 US or UJ means American plug used, CH means Chinese plug used,
 IN means India plug used, AU means Australian plug used,
 KA or KR means Korea plug used, JP means Japanese plug used,
 AN or AR means Argentina plug used.
 'd': is 3 digit number which represents the output voltage.
 'e': is 3 digit number which represents the output current.

Test Standards :	
CISPR 22: 2006 Class B EN 55022: 2006+A1: 2007 Class B	Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement
EN 61000-3-2:2006	Electromagnetic compatibility (EMC) Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16A per phase)
EN 61000-3-3:2008	Electromagnetic compatibility (EMC) Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16A per phase and not subject to conditional connection
CISPR 24:1997+A1:2001+A2:2002 EN 55024:1998+A1:2001+A2:2003	Information technology equipment – Immunity characteristics – Limits and methods of measurement

Amendment Purpose for Switching Power Adaptor as follows: Only change the appearance based on the report NSE-E10014409.



Chris Du
Chris Du
Manager
Date : Jul. 26, 2010

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab's logo.

5. SAFETY LICENSE(SAA)

--20/23

Certificate Number: 100318/00



CERTIFICATE OF APPROVAL

This is to certify that Energy Safe Victoria, Australia has, in accordance with the Electricity Safety (Equipment) Regulations 1999, approved the prescribed electrical equipment described hereunder, for which application for approval has been made by-

NAME & ADDRESS: Dee Van Enterprise Co Ltd
5, Pao-Kao Road
Hsin - Tien Taipei
231 TAIWAN

Description – Power Supply or Charger, Power Supply
Trade Name - DVE
Cat No(s) - DSC-5PFC-05 FAU de,DSC-5PFC-05 AAU de,DSC-5CU-05 de

See following pages for ratings.

Accepted as complying to AS/NZS60950.1:2003+A1+A2+A3

Required Marking: V100318

Unless withdrawn for any reason, this approval shall expire on 2015/7/9.

Electrical equipment covered by this approval must comply in all respects with the approved article, and prior to being supplied or offered for supply, must be clearly and indelibly marked with the required marking indicated above, or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

Any modifications to the electrical equipment or its place of manufacture must be approved by Energy Safe Victoria prior to the equipment being supplied or offered for supply.

Notification must be given to Energy Safe Victoria of any change to the name or address of the holder of the certificate within 20 business days.

Under mutual recognition provisions this approval permits the abovementioned prescribed electrical equipment to be supplied or offered for supply in all States and Territories of Australia and New Zealand.

DATE OF APPROVAL: 2010/7/9 Page 2 of 3

Energy Safe Victoria



5. SAFETY LICENSE(SAA)

-- 21 /23

Certificate Number: 100318/00



Approval Details

Description: 'd' is 3 digit number which represents the output voltage in volt after dividing by 10 in step of 0.1V, for example, 030 represents the output voltage is 3.0V, it is from 5.0-7.5V.
'e' is 3 digit number which represents the output current in Ampere after dividing by 100 by step of 0.01A, for example, 100 represents the output current is 1.00A.

Model: DSC-5PFC-05 FAU de, DSC-5PFC-05 AAU de, DSC-5CU-05 de
Rated at: Input: 100-240VAC or 200-240VAC, 0.2A, 50/60Hz
Output: 5.0-7.5VDC, 5.2W Max, 1.0A Max
Trade Name: DVE

DATE OF APPROVAL: 2010/7/9 Page 3 of 3

N. F. [Signature]

Energy Safe Victoria



5. SAFETY LICENSE(C-TICK)

-- 22/23

Supplier's declaration of conformity

For compliance levels 1, 2 and 3 in Australia

As required by notices under:

- section 182 of the Australian *Radiocommunications Act 1992*.



Instructions for completion

- This completed form remains with the supplier as part of the documentation required for the compliance records. Do not return this form to the ACMA.

Supplier's details

Qualsure Consultants

ACMA supplier code number **N136**

(AGENT)

of 18 Hood Street Rosedale Vic.

Product details

Product description – brand name, type, model, lot, batch or serial number (if available)

Brand Name	DVE
Model Number	DSC-5CU-a de (a=05; d=3 digit number for O/P voltage; e=3 digit number for O/P Current)
Description	Switching Adapter

Compliance with *Radiocommunications (Electromagnetic Compatibility) Standard 2008*

The above mentioned product complies with the requirements of the *Radiocommunications (Electromagnetic Compatibility) Standard 2008*. Evidence of compliance is demonstrated by test reports to the following applicable standards.

Applicable standards

Standard title, number and, if applicable, number of the test report

Standard	Test Report Number
AS/NZS CISPR 22:2009	NSE-E10014409

Declaration

I hereby declare that the product mentioned above complies with the requirements of the *Radiocommunications (Electromagnetic Compatibility) Standard 2008*. All products supplied under this declaration will be identical to the product identified above.

Gordon Slimmon
Director

23 Feb 11

5. SAFETY LICENSE(C-TICK)

-- 23/23

QUALSURE CONSULTANTS

PO Box 80 Rosedale Vic. 3847 Australia
Phone +61 3 51992399 Fax +61 3 5199 2544

23 February 2011

Ms. Catharina Huang
Dee Van Enterprise Co., Ltd.

Dear Ms. Huang

LETTER OF AUTHORISATION




This letter authorises Dee Van Enterprise Co., Ltd., to label the product(s) listed below, with the C-Tick compliance mark as shown above and supplier number N136, subject to the following conditions:

- a. The units supplied are identical to those held by and described in the compliance folder held by Qualsure Consultants.
- b. Qualsure Consultants assumes no responsibility in the retail supply, servicing or repair of the listed product.
- c. Any modification to the listed product(s) voids this authorisation.
- d. This authorisation pertains only to the product(s) listed.
- e. This authorisation is valid until 23 February 2016 or the standard shown on the declaration of compliance is rescinded whichever is the sooner.
- f. The product(s) listed, where necessary, hold and maintain an Australian electrical safety certificate and energy efficiency registration.
- g. Dee Van Enterprise Co., Ltd. takes responsibility and agrees to meet all costs in any action relating from a breach of the conditions of this authorisation.
- h. Dee Van Enterprise Co., Ltd. agrees to supply to Qualsure Consultants the names and addresses of all Australian importers if required by the relevant Australian authority.
- i. Qualsure Consultants agrees to provide at no cost an agents' letter directly to the importers of this product when requested to do so.

<i>Product</i>	<i>Trade Name</i>	<i>Model Number</i>
Switching Adapter	DVE	DSC-5PFC-a bc de, <small>(a=05 ;b=A or F; c=AU; d=3 digit number for O/P voltage; e=3 digit number for O/P Current)</small>
Switching Adapter	DVE	DSC-5CU-a de <small>(a=05 ;d=3 digit number for O/P voltage; e=3 digit number for O/P Current)</small>

The labelling and supply of the product with a C-Tick compliance label including the identifier N136 is agreement with the above conditions.


Gordon Slimmon.
Director