



Capacitors

2014

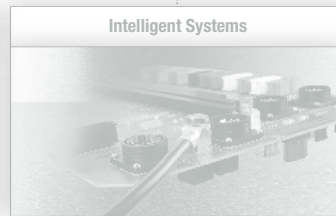
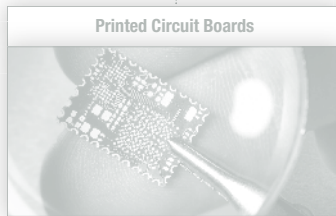


Film Capacitors
Safety Class X2

The Würth Elektronik eiSos Group

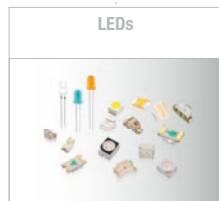
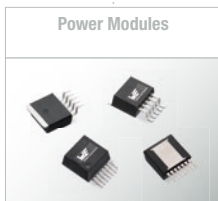


The Würth Elektronik Group
6,200 employees and sales of 529 million €*



Standard

Custom



* 2013

Here we are:

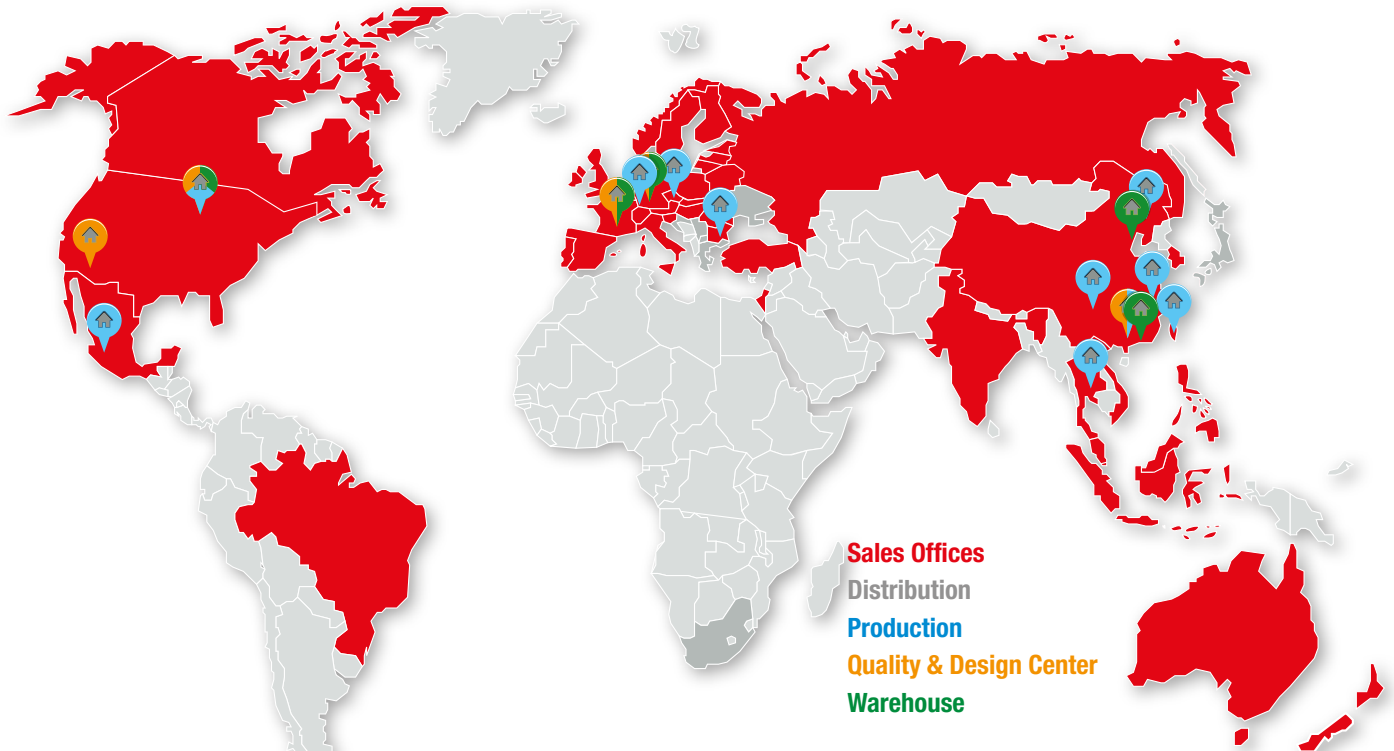
The sales team of Würth Elektronik



Globally available. Locally present.



Würth Elektronik eiSos is present with production plants and a worldwide technical sales force in all important markets of the world.



Watertown (USA)



Waldenburg (Germany)



Fuling (China)



Tianjin (China)



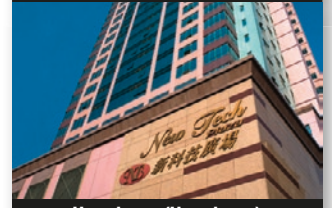
Milpitas (USA)



Thyrnau (Germany)



Huzhou (China)



Hongkong (Hongkong)



Irapuato (Mexico)



Belozem (Bulgaria)



Longgang (China)



Taichung (Taiwan)



Lyon (France)



Budweis (Czech Republic)



Shenyang (China)



Nakhon Ratchasima (Thailand)

New Würth Elektronik Capacitor Portfolio

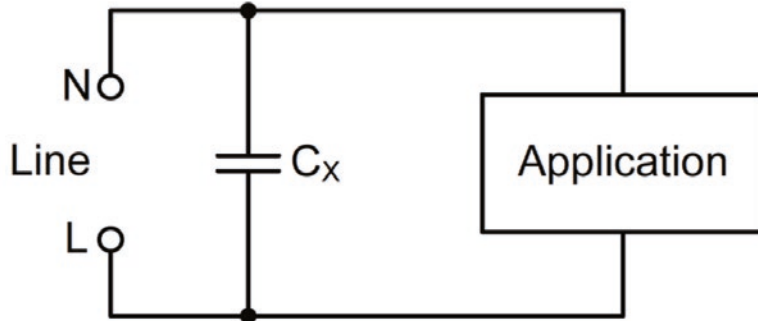


X2 Film Capacitors for Safety Applications

Würth Elektronik introduces its new X2 Film capacitor series WCAP-FTX2 and WCAP-FTXX. Both Series are X2 safety components, manufactured as metallized polypropylene (PP) capacitors and are mainly used as filters in power supplies:

Application of X-Capacitors:

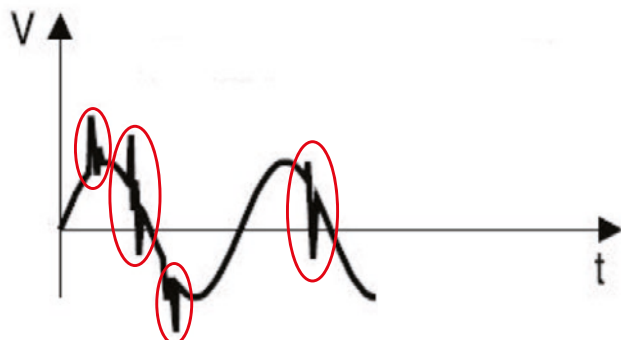
X-Capacitors (Cx) are used in parallel to the voltage source, between the power lines like shown in below picture, to filter possible spikes.



Function of X-Capacitors:

Voltage curve before filtering:

→ ripple on AC signal



Voltage curve after filtering:

→ grading of ripple on AC signal



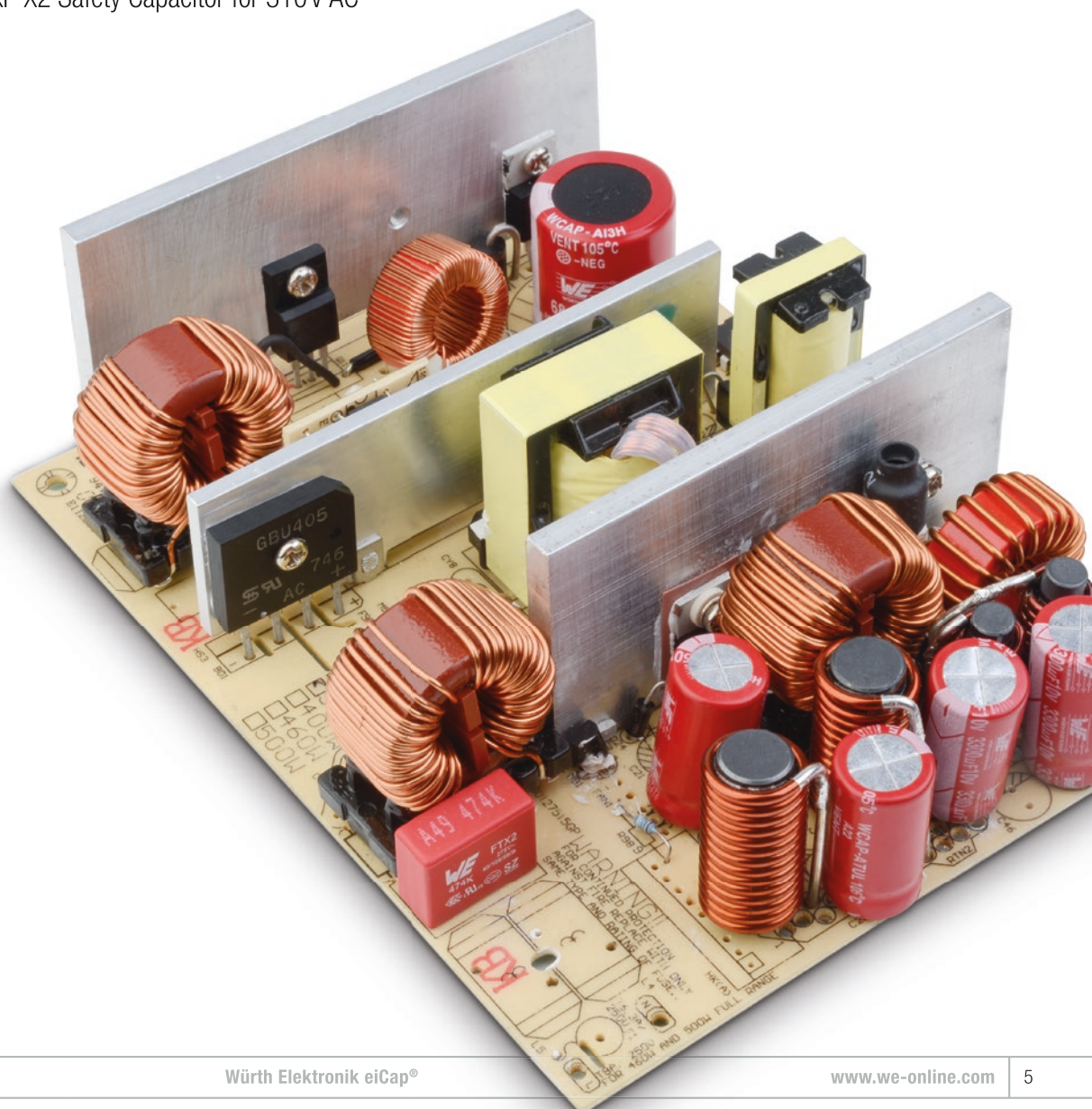
APPROVALS:

ENEC 10 by VDE
 DIN EN 60384 – 14
 (VDE 0565 Part 1 - 1): 2006 - 04
 EN 60384 - 14: 2005 - 08
 IEC 60384 - 14 (ed.3)

UL 60384 - 14
 cULus
 CQC
 GB/T14472 - 1998

Available X2-Capacitor Series (different voltage range):

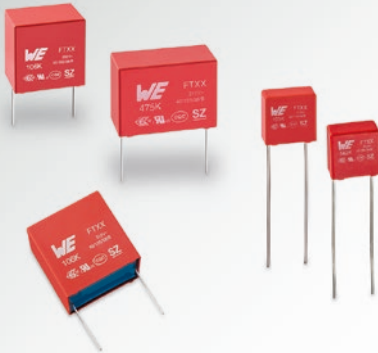
- **WCAP-FTX2** – MKP X2 Safety Capacitor for 275V AC
- **WCAP-FTXX** – MKP X2 Safety Capacitor for 310V AC



WCAP-FTXX

Film X2 AC 310 V 10% 105 °C

Pitch 7.5 mm, Box Type THT



Characteristics

- MKP, Metallized Polypropylene Film
- Recommended soldering: Wave
- Operating temperature: -40 °C* to +105 °C**
- Climate category: 40/105/56/B
- Self-healing properties

Applications

- Safety applications
- Filter
- Power supplies

*) It is recommended that the temperature of the part does not exceed less than -40 °C under worst case operating conditions. Temperature of the part should be verified in the final application.

**) It is recommended that the temperature of the part does not exceed more than +105 °C under worst case operating conditions. Temperature of the part should be verified in the final application.

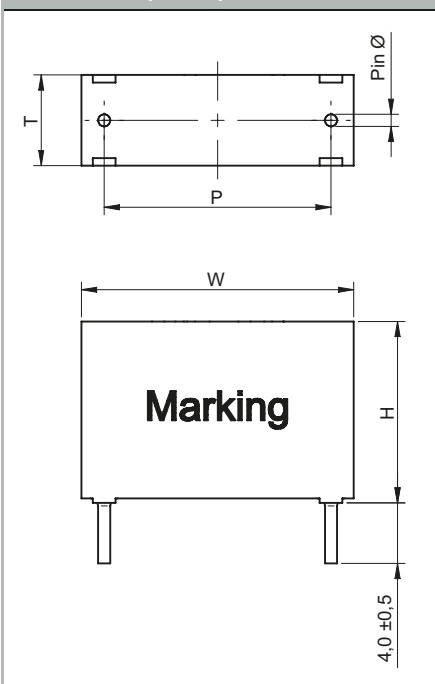
All order codes in this flyer
are available with 20 mm pin length
on request

Dimensions

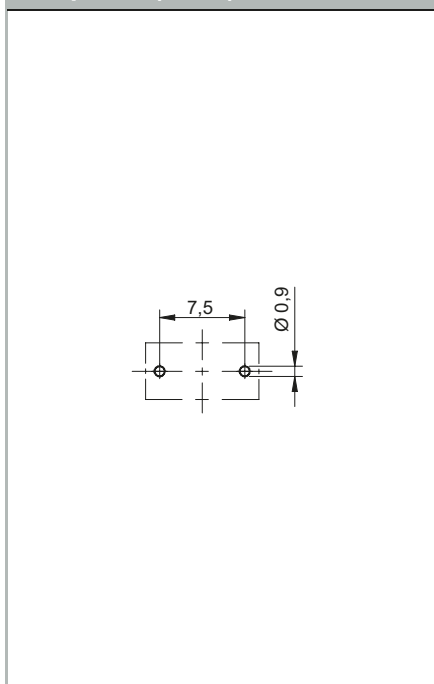
Order Code	Part Description	Size P x W x H x T (mm)			Pin Ø (mm)	C ⁽¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ)	dV/dt (V/µs)	Qty. (Bulk)
							1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 334 022 007 CS	MXXP075153K310ACPB15004	7.5	11	10	6	0.015	<0.10	<0.10	<0.5	>30000	500	500
890 334 022 017 CS	MXXP075683K310ACPB15004		10	12							400	

⁽¹⁾ 1 V/1 kHz @ 20 °C

Dimensions (in mm)

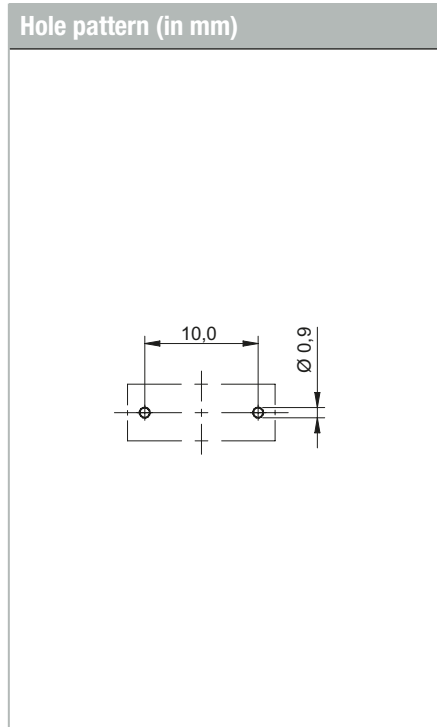
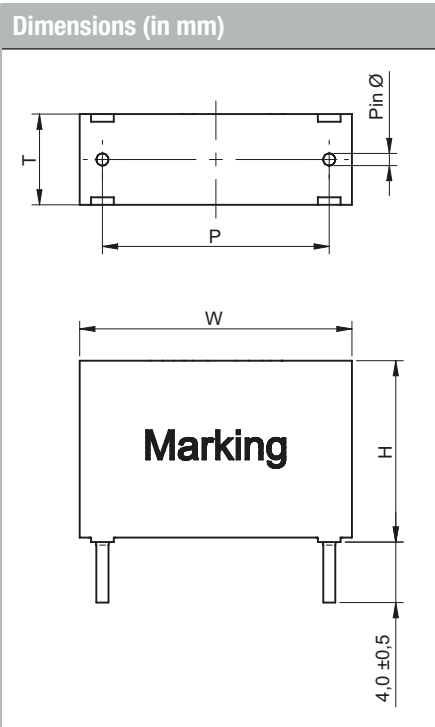


Hole pattern (in mm)



Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)			Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ)	dV/dt (V/µs)	Qty. (Bulk)	
							1 kHz (%)	10 kHz (%)	100 kHz (%)				
890 334 023 002 CS	MXXP010562K310ACPB15004	10	13	10	5	0.6	<0.10	<0.10	<0.5	>30000	600	500	
890 334 023 003 CS	MXXP010682K310ACPB15004			10	5			0.0068	<0.10		<0.5		400
890 334 023 004 CS	MXXP010822K310ACPB15004			10	5			0.0082	<0.10		<0.5		400
890 334 023 006 CS	MXXP010103K310ACPB16004			11	5			0.010	<0.10		<0.5		500
890 334 023 007 CS	MXXP010123K310ACPB15004			11	5			0.012	<0.10		<0.5		300
890 334 023 008 CS	MXXP010153K310ACPB15004			9.5	4.5			0.015	<0.10		<0.5		400
890 334 023 010 CS	MXXP010183K310ACPB15004			11	5			0.018	<0.10		<0.5		400
890 334 023 011 CS	MXXP010223K310ACPB15004			9.5	4.5			0.022	<0.10		<0.5		400
890 334 023 015 CS	MXXP010473K310ACPB15004			9.5	4.5			0.047	<0.10		<0.5		300
890 334 023 017 CS	MXXP010563K310ACPB15004			10	5			0.056	<0.10		<0.5		300
890 334 023 019 CS	MXXP010683K310ACPB16004			13	7			0.068	<0.10		<0.5		400
890 334 023 021 CS	MXXP010823K310ACPB16004			13	7			0.082	<0.10		<0.5		400
890 334 023 023 CS	MXXP010104K310ACPB16004			13	7			0.10	<0.10		<0.5		300
890 334 023 024 CS	MXXP010124K310ACPB15004			13	7			0.12	<0.20		<2.0		400
890 334 023 025 CS	MXXP010154K310ACPB15004			12	7			0.15	<0.20		<2.0		300
890 334 023 028 CS	MXXP010224K310ACPB16004			14	8			0.22	<0.20		<2.0		300

¹⁾ 1 W/1 kHz @ 20 °C



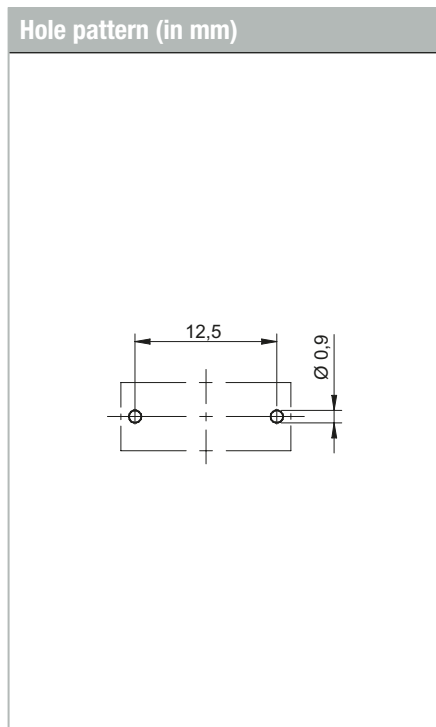
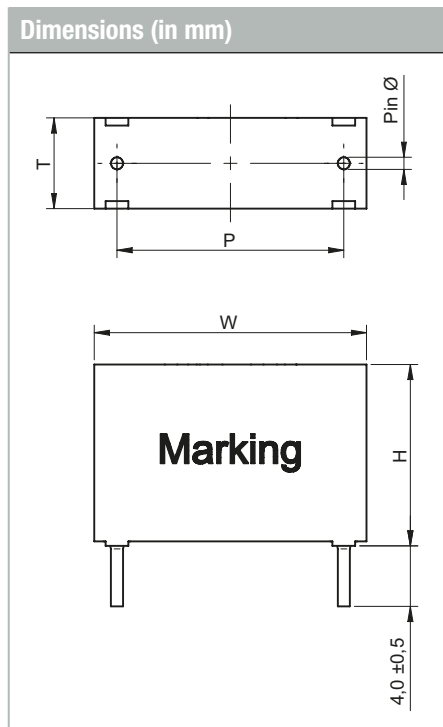
WCAP-FTXX

Film X2 AC 310 V 10% 105 °C

Pitch 12.5 mm, Box Type THT

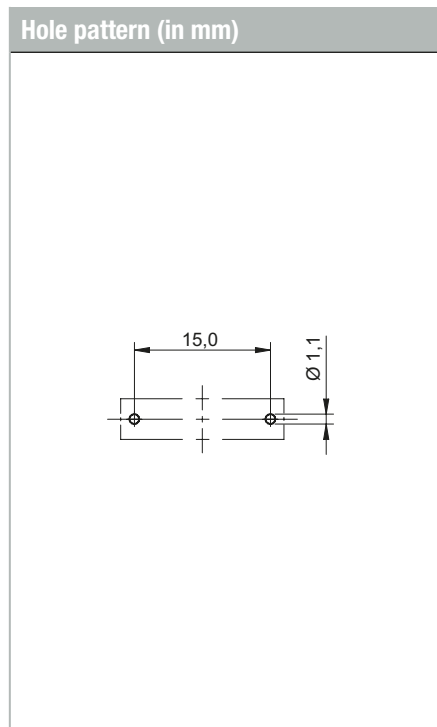
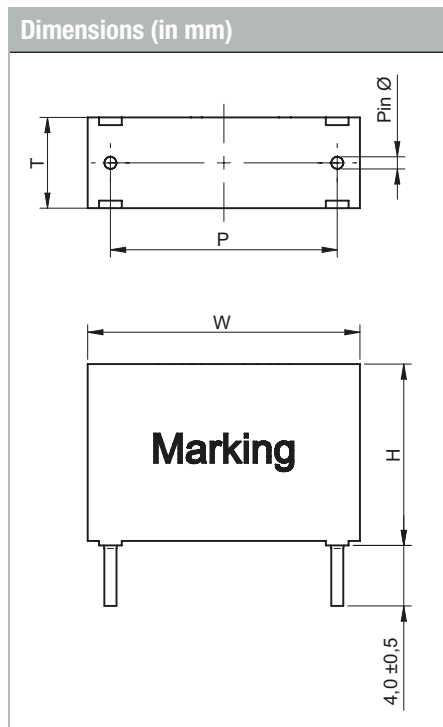
Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{so} (MΩ) (MΩ + µF) if C > 0.33 µF	dV/dt (V/µs)	Qty. (Bulk)
		12.5	15					1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 334 024 001 CS	MXXP125154K310ACPB15004	12.5	15	11.5	6	0.6	0.15	<0.10	<0.20	<2.0	>30000	210	500
890 334 024 002 CS	MXXP125224K310ACPB15004			12.5	7		0.22				>30000	240	
890 334 024 003 CS	MXXP125334K310ACPB15004			14	8.5		0.33				>30000	260	
890 334 024 005 CS	MXXP125474K310ACPB15004			16	10		0.47				>10000	280	

¹⁾ 1 V/1 kHz @ 20 °C



Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ) (MΩ + µF) if C > 0.33 µF	dV/dt (V/µs)	Qty. (Bulk)
								1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 334 025 004 CS	MXXP015273K310ACPB15004	15	18	11	5	0.8	0.027	<0.10	<0.10	<0.5	>30000	300	500
890 334 025 006 CS	MXXP015333K310ACPB16004			11	5		0.033		<0.10	<0.5	>30000	300	
890 334 025 007 CS	MXXP015393K310ACPB15004			11	5		0.039		<0.10	<0.5	>30000	300	
890 334 025 009 CS	MXXP015473K310ACPB16004			11	5		0.047		<0.10	<0.5	>30000	220	
890 334 025 011 CS	MXXP015563K310ACPB16004			11	5		0.056		<0.10	<0.5	>30000	250	
890 334 025 013 CS	MXXP015683K310ACPB16004			12	6		0.068		<0.10	<0.5	>30000	270	
890 334 025 015 CS	MXXP015823K310ACPB16004			12	6		0.082		<0.10	<0.5	>30000	290	
890 334 025 017 CS	MXXP015104K310ACPB16004			12	6		0.10		<0.10	<0.5	>30000	300	
890 334 025 020 CS	MXXP015124K310ACPB16004			13.5	7.5		0.12		<0.20	<2.0	>30000	300	
890 334 025 022 CS	MXXP015154K310ACPB16004			12	6		0.15		<0.20	<2.0	>30000	210	
890 334 025 025 CS	MXXP015184K310ACPB15004			12	6		0.18		<0.20	<2.0	>30000	230	
890 334 025 027 CS	MXXP015224K310ACPB15004			11.5	6		0.22		<0.20	<2.0	>30000	180	
890 334 025 031 CS	MXXP015274K310ACPB15004			14.5	7.5		0.27		<0.20	<2.0	>30000	250	
890 334 025 034 CS	MXXP015334K310ACPB16004			14.5	8.5		0.33		<0.20	<2.0	>30000	260	
890 334 025 039 CS	MXXP015474K310ACPB16004			14	8		0.47		<0.20	<2.0	>10000	220	
890 334 025 043 CS	MXXP015564K310ACPB15004			15	9		0.56		<0.70	-	>10000	220	
890 334 025 045 CS	MXXP015684K310ACPB15004	16	10	0.68	<0.70	-	>10000	230					

¹⁾ 1 W/1 kHz @ 20 °C



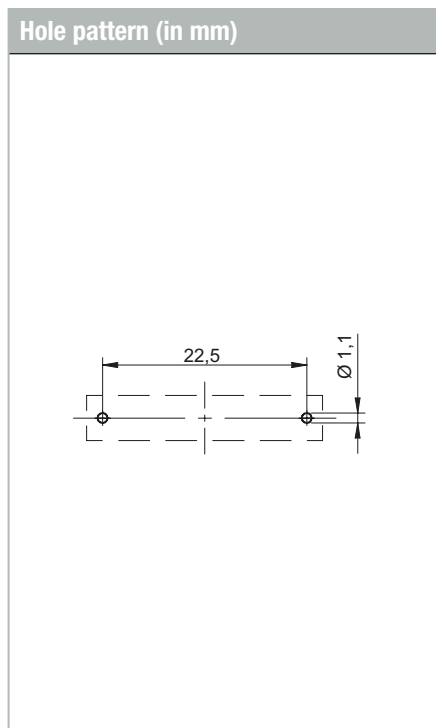
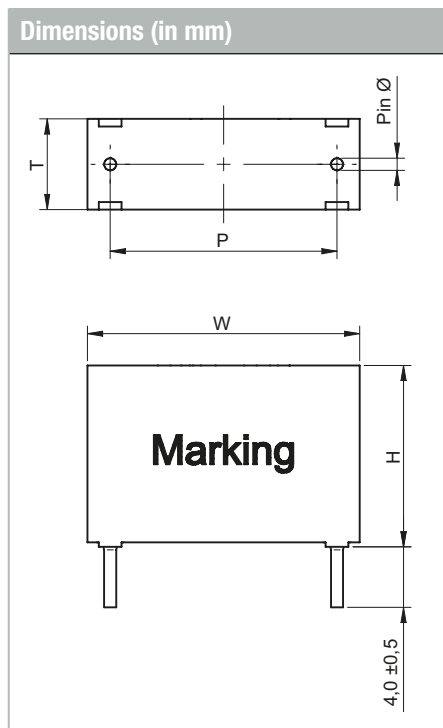
WCAP-FTXX

Film X2 AC 310 V 10% 105 °C

Pitch 22.5 mm, Box Type THT

Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{so} (MΩ) (MΩ + µF) if C > 0.33 µF	dV/dt (V/µs)	Qty. (Bulk)
								1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 334 026 003 CS	MXXP225224K310ACPB46004	22.5	26	15	6	0.8	0.22	<0.10	<0.20	<2.0	>30000	160	200
890 334 026 018 CS	MXXP225564K310ACPB46004			16.5	7.5		0.56		<0.70	–	>10000	160	
890 334 026 020 CS	MXXP225684K310ACPB45004			15	7.5		0.68		<0.70	–	>10000	130	
890 334 026 024 CS	MXXP225824K310ACPB46004			18	9		0.82		<0.70	–	>10000	160	
890 334 026 027 CS	MXXP225105K310ACPB46004			20	11		1.0		<0.70	–	>10000	170	
890 334 026 030 CS	MXXP225155K310ACPB45004			21	10		1.5		<0.70	–	>10000	140	
890 334 026 034 CS	MXXP225225K310ACPB46004			25	15		2.2		<0.70	–	>10000	170	

¹⁾ 1 W/1 kHz @ 20 °C



WCAP-FTXX

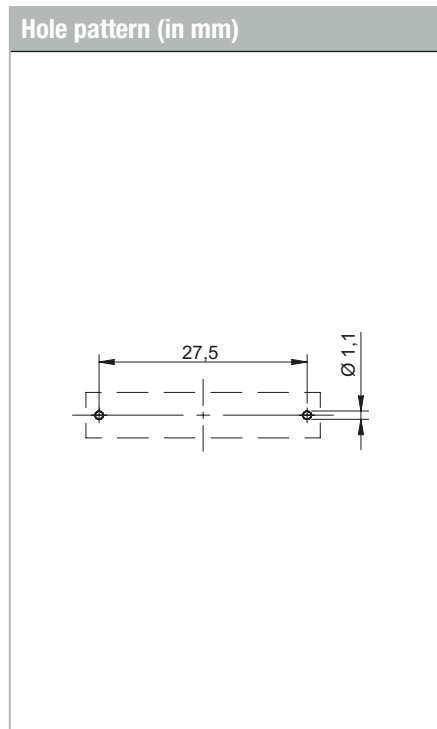
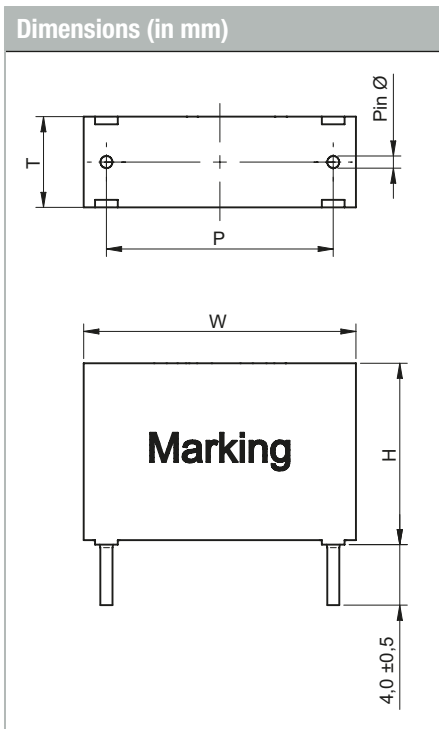
Film X2 AC 310 V 10% 105 °C

Pitch 27.5 mm, Box Type THT



Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)			Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{so} (MΩ * µF)	dV/dt (V/µs)	Qty. (Bulk)	
							1 kHz (%)	10 kHz (%)	100 kHz (%)				
890 334 027 006 CS	MXXP275684K310ACPB56004	27.5	31	20	10.5	0.8	0.68	<0.10	<0.70	-	>10000	170	
890 334 027 012 CS	MXXP275125K310ACPB56004			22	13							1.2	130
890 334 027 025 CS	MXXP275335K310ACPB55004			29	15.5							3.3	130

¹⁾ 1 V/1 kHz @ 20 °C



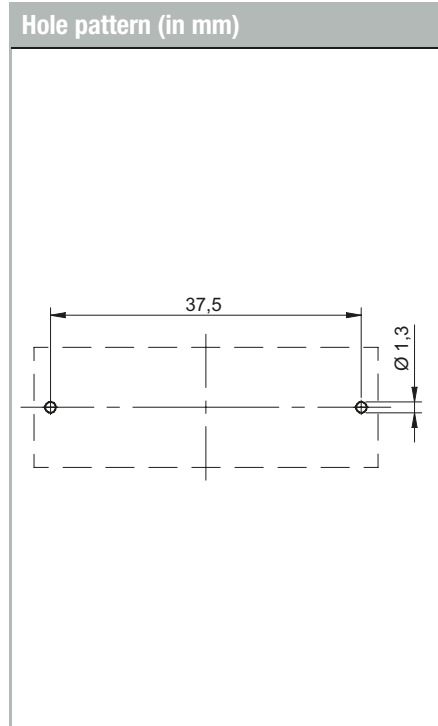
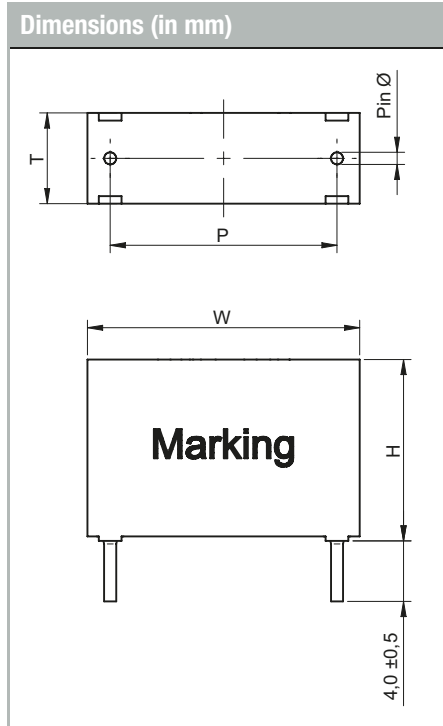
WCAP-FTXX

Film X2 AC 310 V 10% 105 °C

Pitch 37.5 mm, Box Type THT

Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin \varnothing (mm)	C ¹⁾ (μ F)	DF _{typ.}			R _{ISO} (M Ω * μ F)	dV/dt (V/ μ s)	Qty. (Bulk)
		1 kHz (%)	10 kHz (%)	100 kHz (%)									
890 334 028 008 CS	MXXP375685K310ACPB65004	37.5	41.5	35.5	22.5	1	6.8	<0.10	<0.70	–	>10000	110	50

¹⁾ 1 V/1 kHz @ 20 °C



WCAP-FTX2

Film X2 AC 275 V 10% 105 °C

Pitch 7.5 mm, Box Type THT



Characteristics

- MKP, Metallized Polypropylene Film
- Recommended soldering: Wave
- Operating temperature: -40 °C* to +105 °C**
- Climate category: 40/105/56/B
- Self-healing properties

Applications

- Safety applications
- Filter
- Power supplies

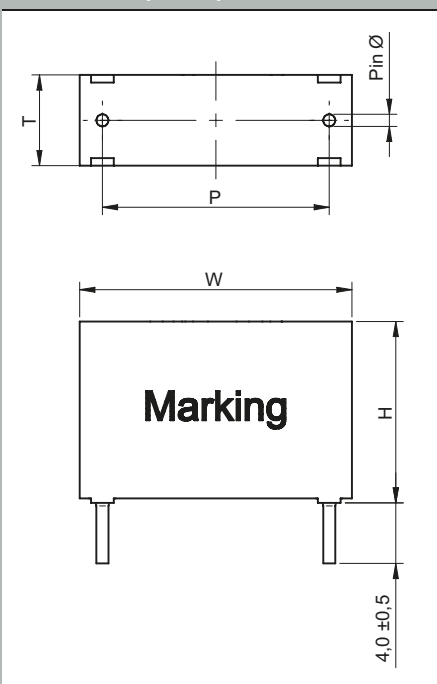
*) It is recommended that the temperature of the part does not exceed less than -40 °C under worst case operating conditions. Temperature of the part should be verified in the final application.
 **) It is recommended that the temperature of the part does not exceed more than +105 °C under worst case operating conditions. Temperature of the part should be verified in the final application.

All order codes in this flyer are available with 20 mm pin length on request

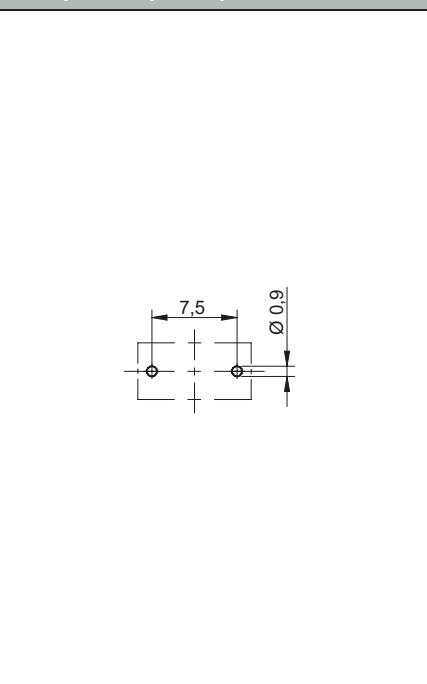
Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ⁽¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ)	dV/dt (V/µs)	Qty. (Bulk)
		7.5	11	10	6			1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 324 022 007 CS	MX2P075153K275ACPB15004		11	10	6	0.6	0.015	<0.10	<0.10	<0.5	>30000	500	500
890 324 022 017 CS	MX2P075683K275ACPB15004		10	12	6	0.6	0.068	<0.10	<0.10	<0.5	>30000	400	

⁽¹⁾ 1 W/1 kHz @ 20 °C

Dimensions (in mm)



Hole pattern (in mm)



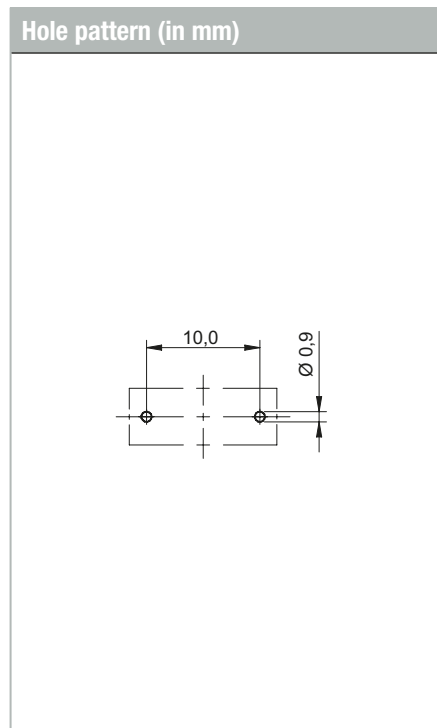
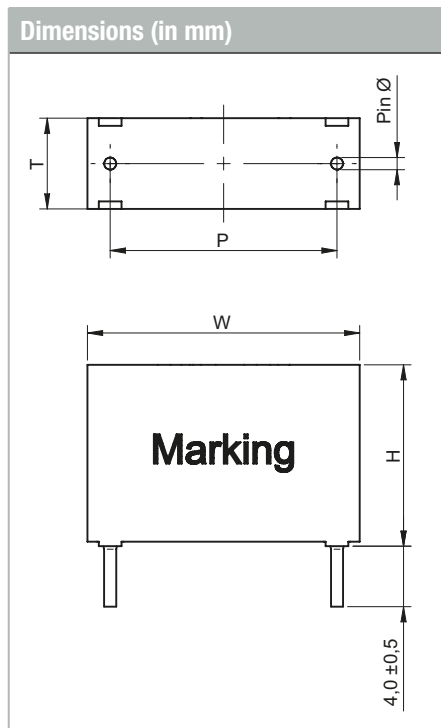
WCAP-FTX2

Film X2 AC 275 V 10% 105 °C

Pitch 10.0 mm, Box Type THT

Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)			Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ)	dV/dt (V/µs)	Qty. (Bulk)	
							1 kHz (%)	10 kHz (%)	100 kHz (%)				
890 324 023 002 CS	MX2P010562K275ACPB15004	10	13	10	5	0.6	0.0056	<0.10	<0.10	<0.5	>30000	600	500
890 324 023 003 CS	MX2P010682K275ACPB15004			10	5		0.0068		<0.10	<0.5		400	
890 324 023 004 CS	MX2P010822K275ACPB15004			10	5		0.0082		<0.10	<0.5		400	
890 324 023 006 CS	MX2P010103K275ACPB16004			11	5		0.010		<0.10	<0.5		500	
890 324 023 007 CS	MX2P010123K275ACPB15004			11	5		0.012		<0.10	<0.5		300	
890 324 023 008 CS	MX2P010153K275ACPB15004			9.5	4.5		0.015		<0.10	<0.5		400	
890 324 023 010 CS	MX2P010183K275ACPB15004			11	5		0.018		<0.10	<0.5		400	
890 324 023 011 CS	MX2P010223K275ACPB15004			9.5	4.5		0.022		<0.10	<0.5		400	
890 324 023 015 CS	MX2P010473K275ACPB15004			9.5	4.5		0.047		<0.10	<0.5		300	
890 324 023 017 CS	MX2P010563K275ACPB15004			10	5		0.056		<0.10	<0.5		300	
890 324 023 019 CS	MX2P010683K275ACPB16004			13	7		0.068		<0.10	<0.5		400	
890 324 023 021 CS	MX2P010823K275ACPB16004			13	7		0.082		<0.10	<0.5		400	
890 324 023 023 CS	MX2P010104K275ACPB16004			13	7		0.10		<0.10	<0.5		300	
890 324 023 024 CS	MX2P010124K275ACPB15004			13	7		0.12		<0.20	<2.0		400	
890 324 023 025 CS	MX2P010154K275ACPB15004			12	7		0.15		<0.20	<2.0		300	
890 324 023 028 CS	MX2P010224K275ACPB16004			14	8		0.22		<0.20	<2.0		300	

¹⁾ 1 W/1 kHz @ 20 °C



WCAP-FTX2

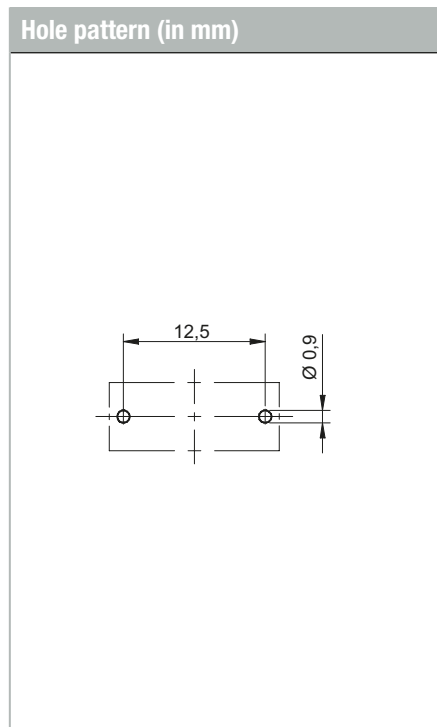
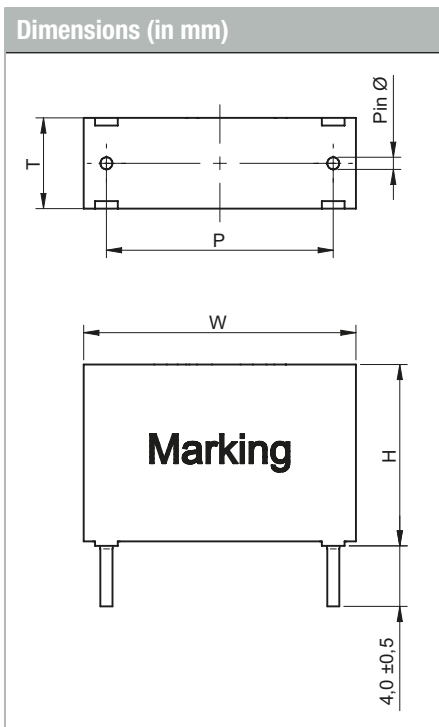
Film X2 AC 275 V 10% 105 °C

Pitch 12.5 mm, Box Type THT



Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ) (MΩ + µF) if C > 0.33 µF	dV/dt (V/µs)	Qty. (Bulk)
		12.5	15					1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 324 024 001 CS	MX2P125154K275ACPB15004			12.5	15	11.5	6	0.6	0.15	<0.10	<0.20	<2.0	>30000
890 324 024 002 CS	MX2P125224K275ACPB15004	12.5	7			0.22	>30000		240				
890 324 024 003 CS	MX2P125334K275ACPB15004	14	8.5			0.33	>30000		260				
890 324 024 005 CS	MX2P125474K275ACPB15004	16	10			0.47	>10000		280				

¹⁾ 1 W/1 kHz @ 20 °C



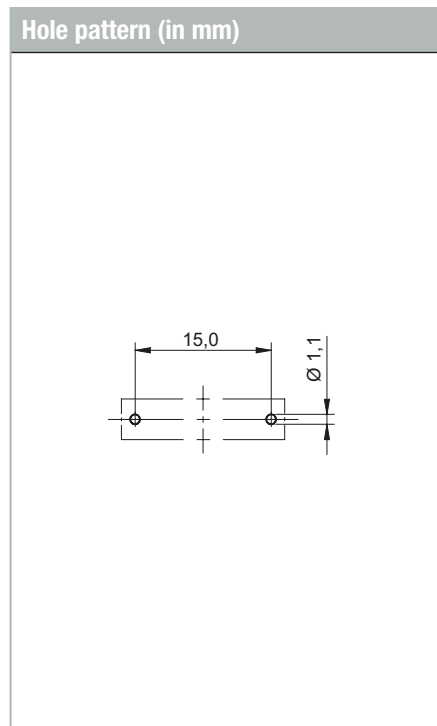
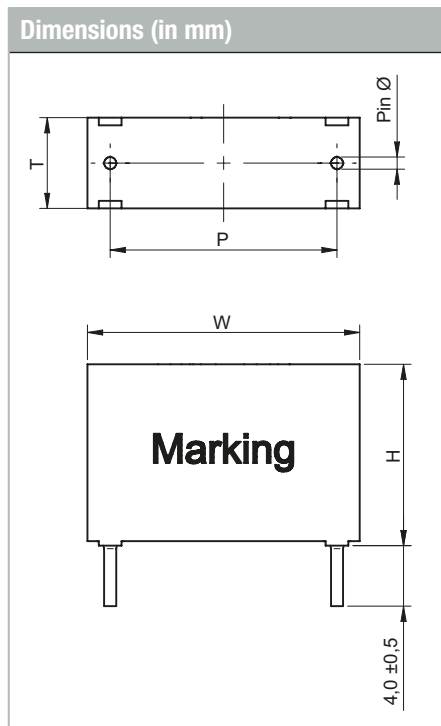
WCAP-FTX2

Film X2 AC 275 V 10% 105 °C

Pitch 15.0 mm, Box Type THT

Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{so} (MΩ) (MΩ + µF) if C > 0.33 µF	dV/dt (V/µs)	Qty. (Bulk)
								1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 324 025 004 CS	MX2P015273K275ACPB15004	15	18	11	5	0.8	0.027	<0.10	<0.10	<0.5	>30000	300	500
890 324 025 006 CS	MX2P015333K275ACPB16004			11	5		0.033		<0.10	<0.5	>30000	300	
890 324 025 007 CS	MX2P015393K275ACPB15004			11	5		0.039		<0.10	<0.5	>30000	300	
890 324 025 009 CS	MX2P015473K275ACPB16004			11	5		0.047		<0.10	<0.5	>30000	220	
890 324 025 011 CS	MX2P015563K275ACPB16004			11	5		0.056		<0.10	<0.5	>30000	250	
890 324 025 013 CS	MX2P015683K275ACPB16004			12	6		0.068		<0.10	<0.5	>30000	270	
890 324 025 015 CS	MX2P015823K275ACPB16004			12	6		0.082		<0.10	<0.5	>30000	290	
890 324 025 017 CS	MX2P015104K275ACPB16004			12	6		0.10		<0.10	<0.5	>30000	300	
890 324 025 020 CS	MX2P015124K275ACPB16004			13.5	7.5		0.12		<0.20	<2.0	>30000	300	
890 324 025 022 CS	MX2P015154K275ACPB16004			12	6		0.15		<0.20	<2.0	>30000	210	
890 324 025 025 CS	MX2P015184K275ACPB15004			12	6		0.18		<0.20	<2.0	>30000	230	
890 324 025 027 CS	MX2P015224K275ACPB15004			11.5	6		0.22		<0.20	<2.0	>30000	180	
890 324 025 031 CS	MX2P015274K275ACPB15004			14.5	7.5		0.27		<0.20	<2.0	>30000	250	
890 324 025 034 CS	MX2P015334K275ACPB16004			14.5	8.5		0.33		<0.20	<2.0	>30000	260	
890 324 025 039 CS	MX2P015474K275ACPB16004			14	8		0.47		<0.20	<2.0	>10000	220	
890 324 025 043 CS	MX2P015564K275ACPB15004			15	9		0.56		<0.70	-	>10000	220	
890 324 025 045 CS	MX2P015684K275ACPB15004			16	10		0.68		<0.70	-	>10000	230	

¹⁾ 1 W/1 kHz @ 20 °C



WCAP-FTX2

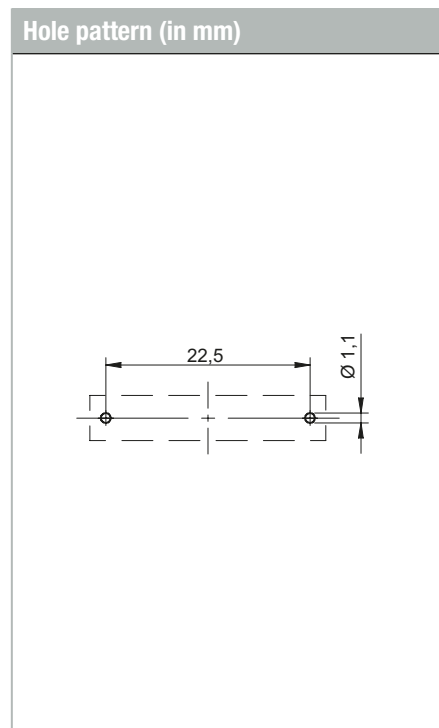
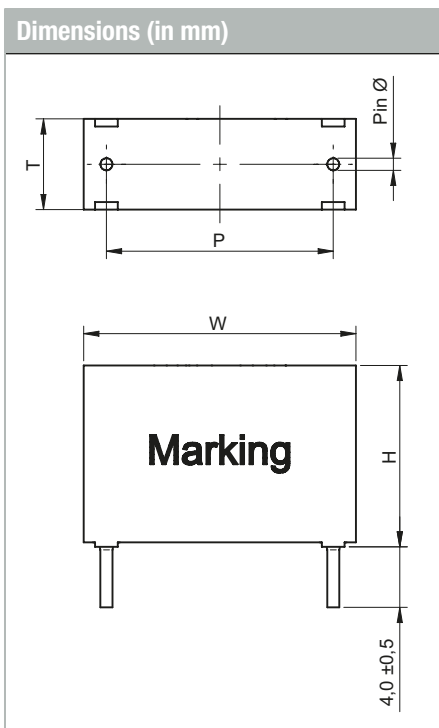
Film X2 AC 275 V 10% 105 °C

Pitch 22.5 mm, Box Type THT



Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ) (MΩ + µF) if C > 0.33 µF	dV/dt (V/µs)	Qty. (Bulk)
		1 kHz (%)	10 kHz (%)	100 kHz (%)									
890 324 026 003 CS	MX2P225224K275ACPB46004	22.5	26	15	6	0.8	0.22	<0.10	<0.20	<2.0	>30000	160	200
890 324 026 018 CS	MX2P225564K275ACPB46004			16.5	7.5		0.56		<0.70	–	>10000	160	
890 324 026 020 CS	MX2P225684K275ACPB45004			15	7.5		0.68		<0.70	–	>10000	130	
890 324 026 024 CS	MX2P225824K275ACPB46004			18	9		0.82		<0.70	–	>10000	160	
890 324 026 027 CS	MX2P225105K275ACPB46004			20	11		1.0		<0.70	–	>10000	170	
890 324 026 030 CS	MX2P225155K275ACPB45004			21	10		1.5		<0.70	–	>10000	140	
890 324 026 034 CS	MX2P225225K275ACPB46004			25	15		2.2		<0.70	–	>10000	170	

¹⁾ 1 W/1 kHz @ 20 °C



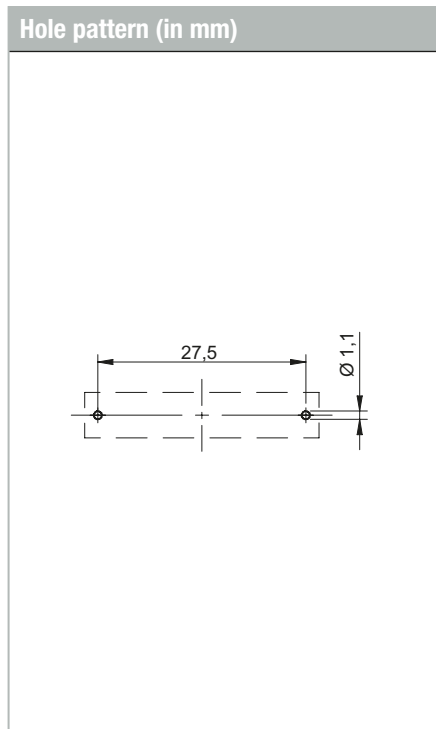
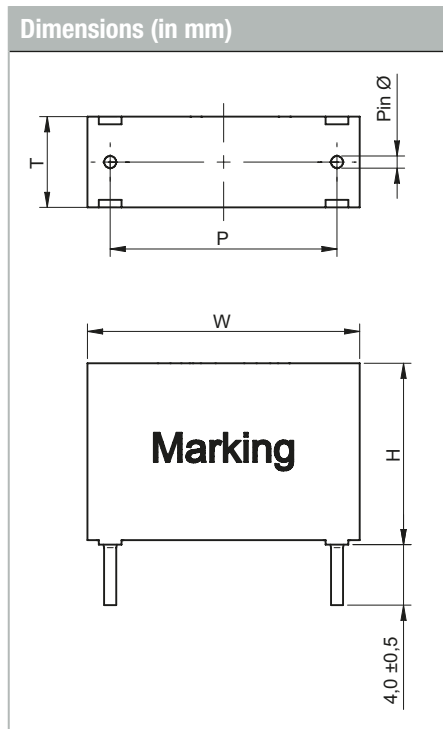
WCAP-FTX2

Film X2 AC 275 V 10% 105 °C

Pitch 27.5 mm, Box Type THT

Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin Ø (mm)	C ¹⁾ (µF)	DF _{typ.}			R _{iso} (MΩ * µF)	dV/dt (V/µs)	Qty. (Bulk)
								1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 324 027 006 CS	MX2P275684K275ACPB56004	27.5	31	20	10.5	0.8	0.68	<0.10	<0.70	-	>10000	170	100
890 324 027 012 CS	MX2P275125K275ACPB56004			22	13		1.2					130	
890 324 027 025 CS	MX2P275335K275ACPB55004			29	15.5		3.3					130	

¹⁾ 1 V/1 kHz @ 20 °C



WCAP-FTX2

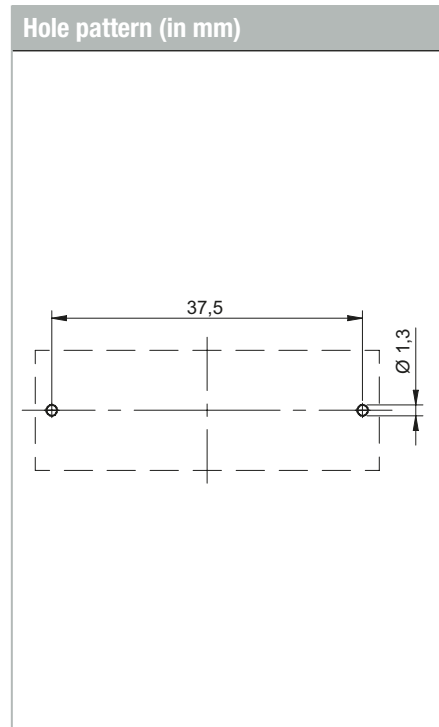
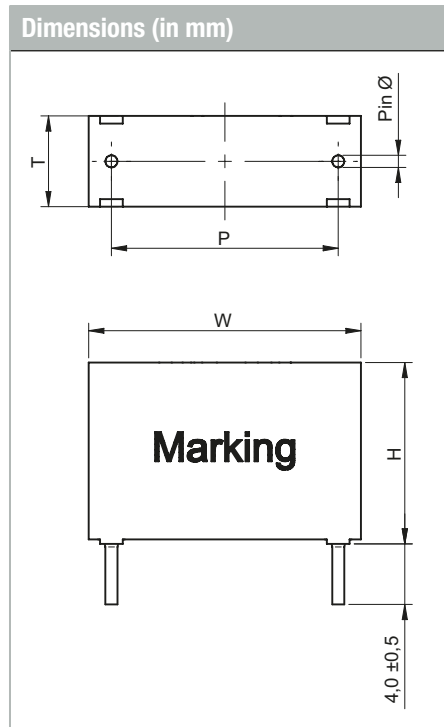
Film X2 AC 275 V 10% 105 °C

Pitch 37.5 mm, Box Type THT



Dimensions													
Order Code	Part Description	Size P x W x H x T (mm)				Pin \varnothing (mm)	C ¹⁾ (μ F)	DF _{typ.}			R _{so} (M Ω * μ F)	dV/dt (V/ μ s)	Qty. (Bulk)
								1 kHz (%)	10 kHz (%)	100 kHz (%)			
890 324 028 008 CS	MX2P375685K275ACPB65004	37.5	41.5	35.5	22.5	1	6.8	<0.10	<0.70	-	>10000	110	50

* 1 V/1 kHz @ 20 °C

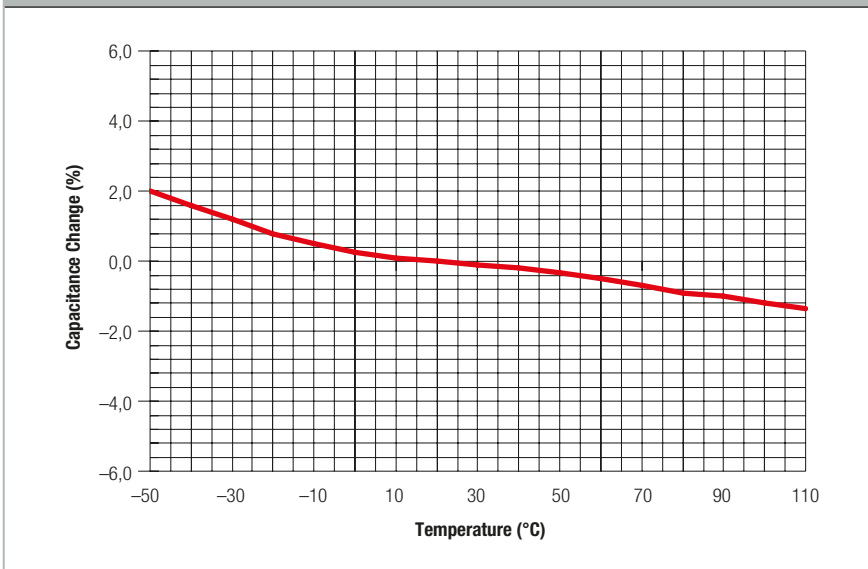


Definition of Part Description Numbering

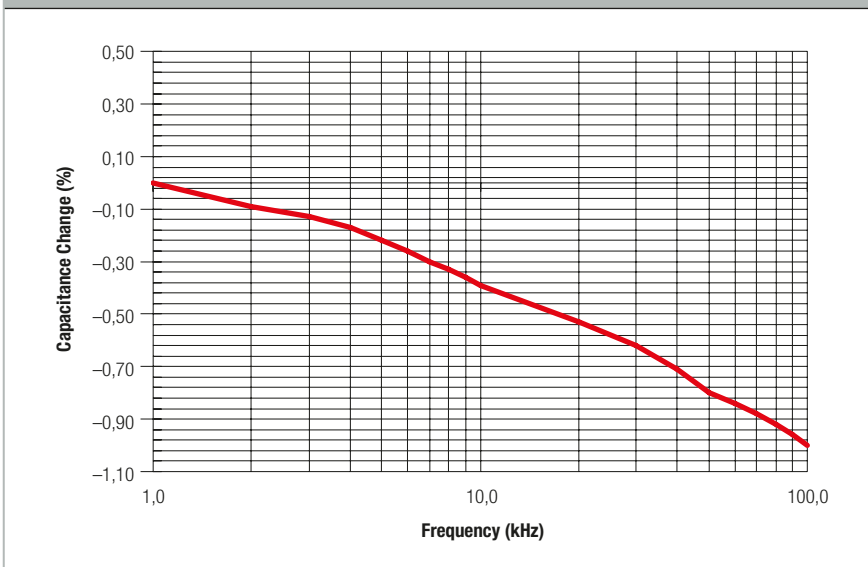
Type			Size			Capacitance			Tolerance		
M	X	2	P	0	7	5	4	7	2	K	
Film	X Capacitor	2 – X2 275V AC X – X2 Extended Voltage Range 310 V AC	Pitch	7.5 mm – 075 10 mm – 010 12.5 mm – 125 ... 37.5 mm – 375				Alpha-Numeric Coding; Main value = "pF"; "R" represents a decimal point, first two numbers represent the value, third number represents the exponential factor to be multiplied by; Example: 472 = $47 \times 10^2 = 4700 \text{ pF} = 4.7 \text{ nF}$			K – 10%

General Technical Parameters for WCAP-FTXX and

Capacitance Change vs. Temperature



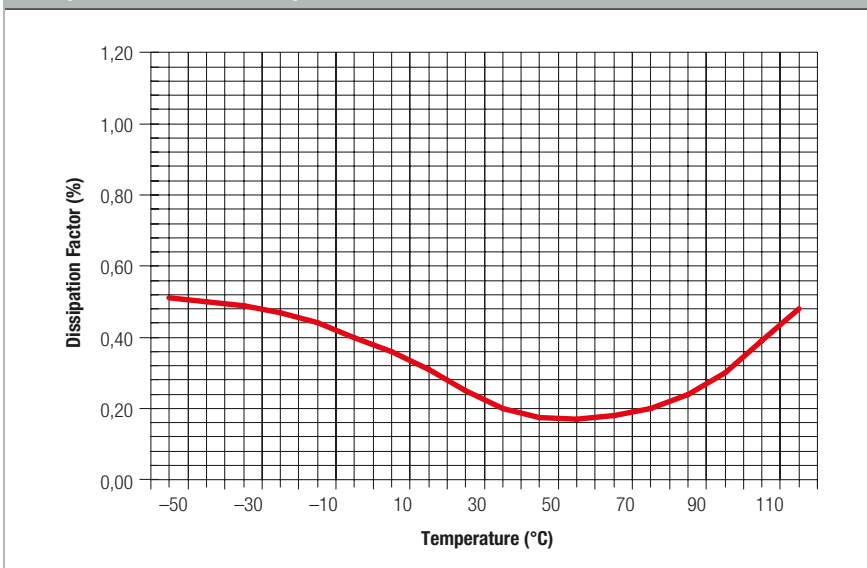
Capacitance Change over Frequency



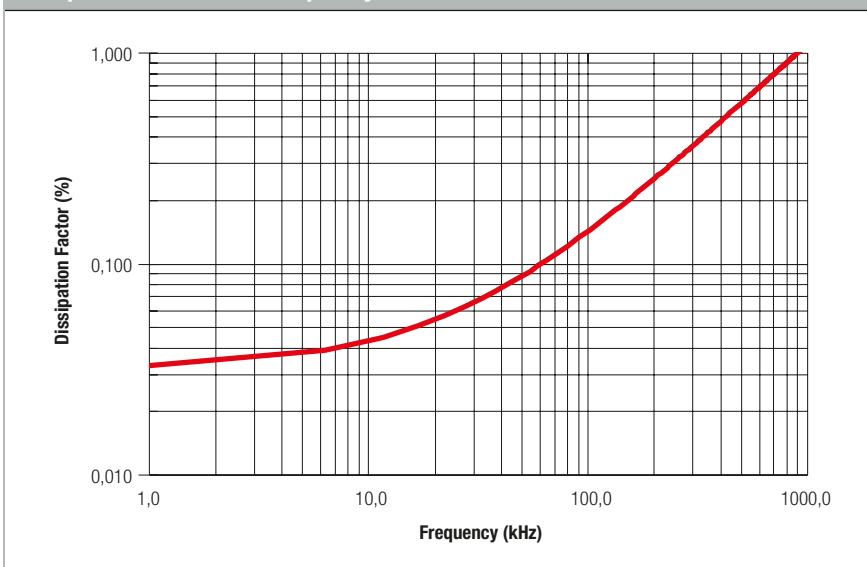
Voltage			Voltage Code	Lead Style		Packaging		Specials			
2	7	5	A	S	P	B	1	5	0	0	0
275–275 V AC 310–310 V AC			A – AC	SP – Straight Pins BP – Bent Pins CP – Cut Pins	Bulk with: 50 – B6 100 – B5 200 – B4 300 – B3 400 – B2 500 – B1		Box Size (Small, Standard, Big) 1 – Small 5 – Standard 6 – Big 7 – Big 8 – Big 9 – Big	Bending Style, 0 – Standard, no bending	Pin length in mm according to customized drawing, 00 – Standard pin length without cutting Example with cutting: 04–4 mm		

WCAP-FTX2 Series

Dissipation Factor vs. Temperature



Dissipation Factor over Frequency



Information in this publication is subject to change. The process of continually improving our product range leads to changes in content. For new designs please refer to the latest data sheets on www.we-online.com or contact our technical field staff.

Toolbox for engineers & developers

Component Selector

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- Signal & Communications (LEDs, RF Inductors, RJ45 LAN Transformers, LAN Transformers)

Download the free software on www.we-online.com/component-selector

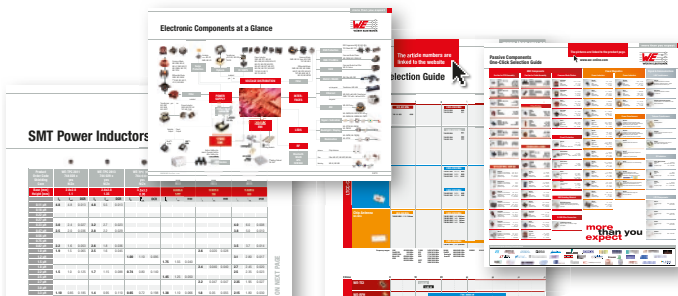


TOOLBOX

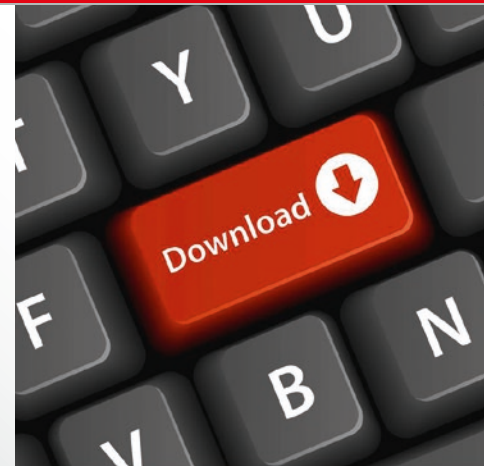
www.we-online.com/toolbox

Product & Application Guides

Various application and product guides help you to easily select components.



Download Center



Component Libraries

Design software Altium Designer & Eagle for a fast design.

Altium

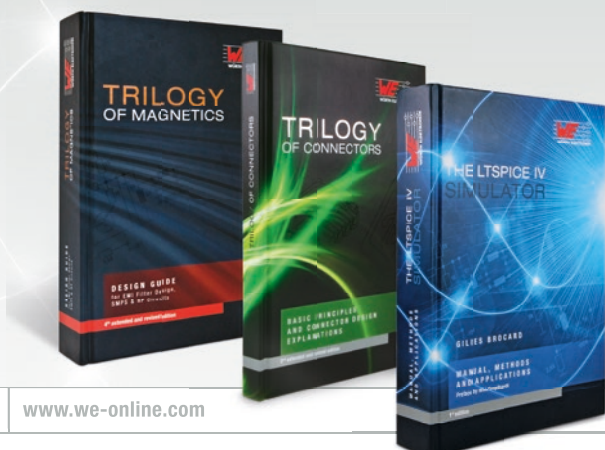


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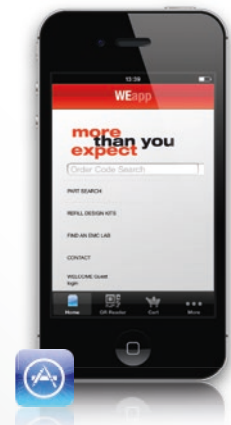
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- Parametric component search
- The easiest way to refill your design kits
- Samples order
- Request for quote
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More information on

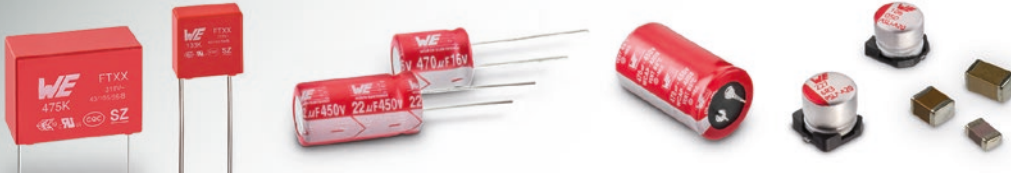
www.we-online.com/app



Electronic & Electromechanical Components



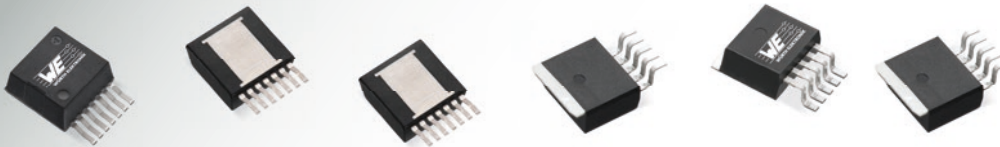
EMC Components



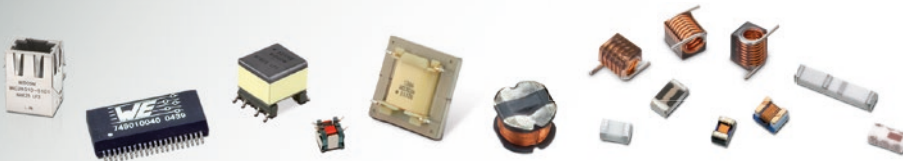
Capacitors



Power Magnetics



Power Modules



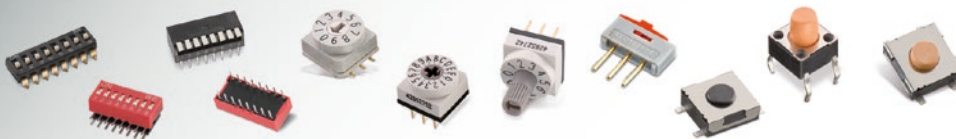
Signal & Communications



LED



Connectors



Switches



Assembly Technique



Power Elements



more than you expect

