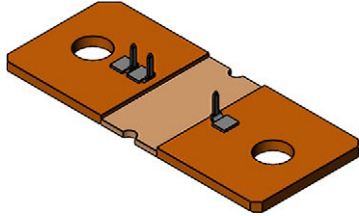


Power Metal Strip® Battery Shunt Resistor With Three Sense Pins Very Low Value (25 μΩ, 50 μΩ, 100 μΩ, and 125 μΩ)



FEATURES

- High power to resistor size ratio
- Proprietary processing technique produces extremely low resistance values
- All welded construction
- Solid metal manganese-copper alloy resistive element with low TCR (< 20 ppm/°C)
- Very low inductance (< 5 nH)
- Low thermal EMF (< 3 μV/°C)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

LINKS TO ADDITIONAL RESOURCES



STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	SIZE	POWER RATING $P_{70^\circ\text{C}}$ W	TOLERANCE ± %	RESISTANCE VALUE RANGE Ω	RESISTANCE VALUES CURRENTLY AVAILABLE ⁽¹⁾ Ω	WEIGHT (typical) g
WSBS8536...40	8536	50	5, 10	25μ to 125μ	25μ, 50μ, 100μ, 125μ	25μ = 77.7, 50μ = 75.7, 100μ / 125μ = 71.7

Note

⁽¹⁾ Other values may be available, contact factory

TECHNICAL SPECIFICATIONS		
PARAMETER	UNIT	RESISTOR CHARACTERISTICS
Temperature coefficient	ppm/°C	± 200 for 25 μΩ
		± 175 for 50 μΩ
		± 165 for 100 μΩ / 125 μΩ
Temperature coefficient (element material)	ppm/°C	± 20
Operating temperature range	°C	-65 to +170
Maximum current rating	A	$(P/R)^{1/2}$

GLOBAL PART NUMBER INFORMATION																
Global Part Numbering: WSBS8536L1000JT40 (WSBS8536...40, 0.000100 Ω, ± 5 %, tray pack)																
W	S	B	S	8	5	3	6	L	1	0	0	0	J	T	4	0
GLOBAL MODEL		RESISTANCE VALUE				TOLERANCE CODE			PACKAGING CODE			SPECIAL				
WSBS8536		L = mΩ L0500 = 0.000050 Ω L1000 = 0.000100 Ω L1250 = 0.000125 Ω L2500 = 0.000250 Ω				J = ± 5 % K = ± 10 %			T = tray pack K = bulk pack			40 = three sense pins attached				



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