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Vishay Dale

GREEN

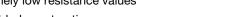
(5-2008)3

Power Metal Strip[®] Meter Shunt Resistor Very Low Value (down to 0.0003 Ω)



FEATURES

- High power to resistor size ratio
- 5-terminal connection design
- · Use for single or multi-phase energy meters
- Proprietary processing technique produces extremely low resistance values



- All welded construction
- Very low inductance (< 5 nH)
- Low thermal EMF (< 3 μV/°C)
- Compliant to RoHS Directive 2002/95/EC



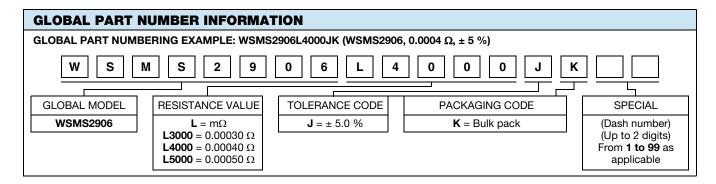
^{**} Please see document "Vishay Material Category Policy": www.vishay.com/doc?99902

STANDARD ELECTRICAL SPECIFICATIONS									
GLOBAL MODEL	SIZE	POWER RATING P _{70 °C} W	TOLERANCE %	RESISTANCE VALUE RANGE Ω	RESISTANCE VALUES CURRENTLY AVAILABLE $^{(1)}$ Ω	WEIGHT (typical) g/1000 pieces			
WSMS2906	2906	3.0	5.0	300µ to 660µ	300µ, 400µ, 500µ	4.7			

Note

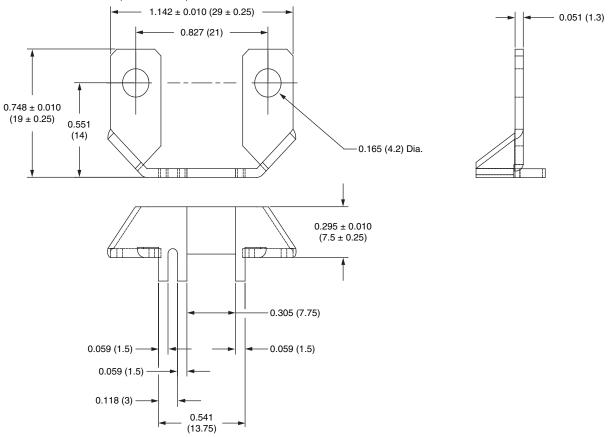
⁽¹⁾ Other values may be available, contact factory

TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	RESISTOR CHARACTERISTICS			
Temperature Coefficient	ppm/°C	\pm 100 for 300 $\mu\Omega$ and 400 $\mu\Omega,$ \pm 75 for 500 $\mu\Omega$			
Operating Temperature Range	°C	- 65 to + 170			
Maximum Current Rating	A	$(P/R)^{1/2}$			

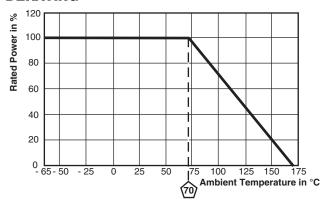




DIMENSIONS in inches (millimeters)



DERATING



TOLERANCES ON DECIMALS XXX ± 0.005

RESISTANCE VALUE (μΩ)	ELEMENT MATERIAL	
300, 400, 500	Mn-Cu	

PERFORMANCE						
TEST	CONDITIONS OF TEST	TEST LIMITS				
Thermal Shock	- 55 °C to + 150 °C, 1000 cycles, 15 min at each extreme	± 0.5 % ΔR				
Short Time Overload	5 x rated power for 5 s	± 0.5 % ΔR				
Low Temperature Operation	- 65 °C for 45 min	± 0.5 % ΔR				
High Temperature Exposure	1000 h at + 170 °C	± 1.0 % ΔR				
Bias Humidity	+ 85 °C, 85 % RH, 10 % bias, 1000 h	± 0.5 % ΔR				
Mechanical Shock	100 g's for 6 ms, 5 pulses	± 0.5 % ΔR				
Vibration	Frequency varied 10 Hz to 2000 Hz in 1 min, 3 directions, 12 h	± 0.5 % ΔR				
Load Life	1000 h at + 70 °C, 1.5 h "ON", 0.5 h "OFF"	± 1.0 % ΔR				
Moisture Resistance	MIL-STD-202, method 106, 0 % power, 7b not required	± 0.5 % ΔR				

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Material Category Policy

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单击下面可查看定价,库存,交付和生命周期等信息

>>Vishay(威世)