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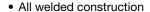
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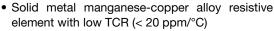
Power Metal Strip[®] Battery Shunt Resistor W/Molded Enclosure Very Low Value (100 $\mu\Omega$)

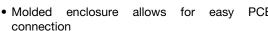


FEATURES

- High power to resistor size ratio
- Proprietary processing technique produces extremely low resistance values







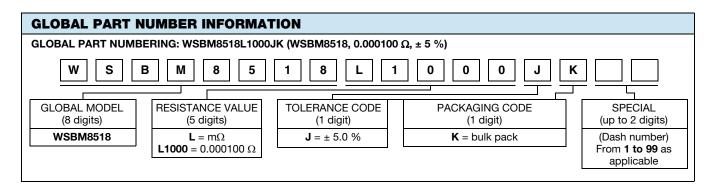
- Includes 4-pin female connector that mates with a Molex type MX150 #33472-0401 connector
- Very low inductance (< 5 nH)
- Low thermal EMF (< 3 μV/°C)
- Material categorization: for definitions of compliance please see <u>www.vishav.com/doc?99912</u>

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		
WSBM8518	8518	36	5.0	0.0001	100µ	60		

Note

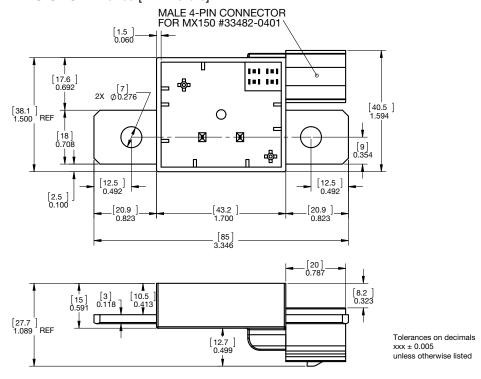
⁽¹⁾ Other values may be available, contact factory

TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	RESISTOR CHARACTERISTICS			
Temperature coefficient	ppm/°C	± 225			
Temperature coefficient (element material)	ppm/°C	± 20			
Operating temperature range	°C	-65 to +170			
Thermal EMF	μV/°C	< 3			
Inductance	nH	< 5			
Maximum current rating	Α	(P/R) ^{1/2}			

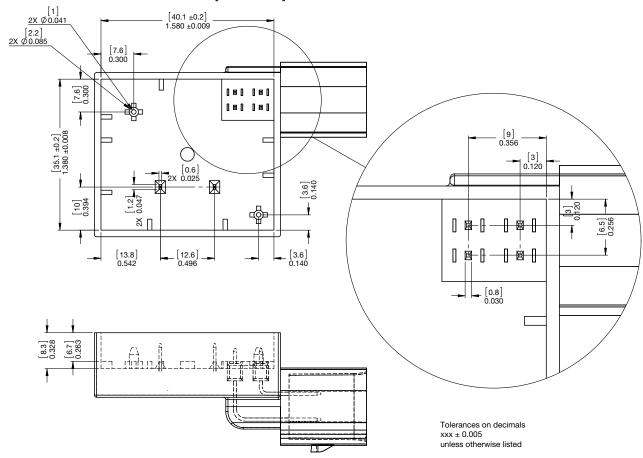




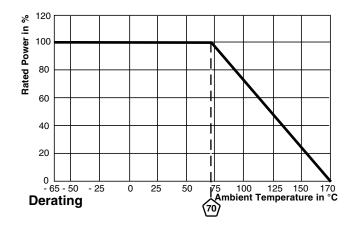
EXTERNAL DIMENSIONS in inches [millimeters]



INTERNAL DIMENSIONS in inches [millimeters]



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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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PF2512FKF7W0R033L CD2015FC-0.10-1% PR2512FKF7W0R004L RC1005F124CS RL73K3AR56JTDF RL7520WT-R001-F

RL7520WT-R009-G RL7520WT-R020-F RLP73N1ER43JTD LRC-LR2512LF-01-R820J WR06X104JGLJ TL2BR01F 65709-330 SP1R12J

RL7520WT-R039-G PF1206FRF7W0R02L RL7520WT-R002-F RL7520WT-R047-F RL7520WT-R005-F KRL1632E-C-R200-F-T5

KRL1632E-C-R200-F-T1 Y14880R02000B9R RLP73M1ER051FTDF RLP73M2AR051FTDF RLP73M2AR075FTDF RLP73K2A1R0FTDF

RLP73M1JR051FTDF RLP73N1JR47FTDF SR731ERTTP5R10F SR731ERTTP100J SR731ERTTP6R80F SR731ERTTP4R70F

SR731ERTTP2R20F SR731ERTTP3R90F SR731ERTTP1R00F SR731ERTTP10R0F SR731ERTTP2R00F SR731ERTTP1R0J

SR731ERTTP3R9J SR731ERTTP8R2J SR731ERTTP2R0J SR731ERTTP4R7J SR731ERTTP9R1J SR731ERTTP1R0J