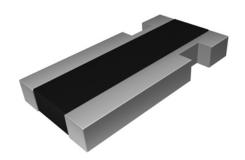


www.vishay.com

Vishay Dale

Power Metal Strip® Resistors, High Power, **Surface Mount, 4-Terminal**



FEATURES

- 4-Terminal design
- · Ideal for all types of current sensing, voltage division and pulse applications

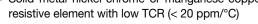


RoHS COMPLIANT

GREEN

(5-2008)¹

- Proprietary processing technique produces extremely low resistance values
- Durable with all-welded construction
- Low thermal EMF (< 3 μV/°C)
- Solid metal nickel-chrome or manganese-copper





AEC-Q200 qualified available (1)

(1) Flame retardance test may not be applicable to some resistor technologies.

Note

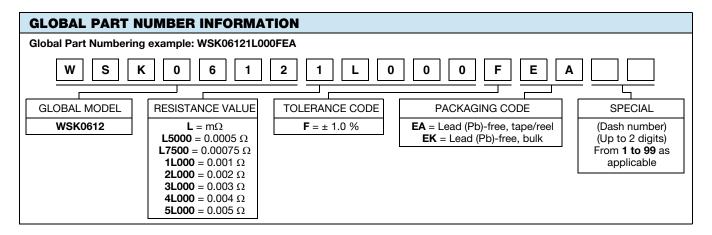
** Please see document "Vishay Material Category Policy": www.vishay.com/doc?99902

STANDARD ELECTRICAL SPECIFICATIONS							
GIORAL LIBERTINES LOLEBANCE LIBERTINES LIBERTINES		RESISTANCE VALUES CURRENTLY AVAILABLE ⁽²⁾ Ω	WEIGHT (typical) g/1000 pieces				
WSK0612	0612	1.0	1.0	0.50m to 5.0m	0.5m, 0.75m, 1m, 2m, 3m, 4m, 5m	8.2	

Note

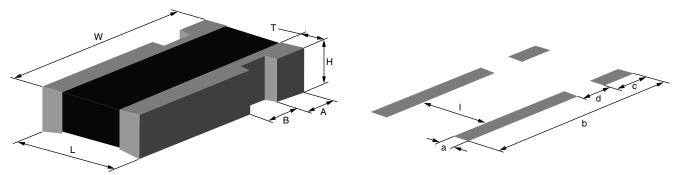
(2) Other values may be available, contact factory.

TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	RESISTOR CHARACTERISTICS			
Temperature coefficient	ppm/°C	\pm 600 for 0.5 m Ω and 0.75 m Ω , \pm 275 for 1 m Ω , \pm 225 for 2 m Ω , \pm 150 for 3 m Ω , 4 m Ω and 5 m Ω			
Operating temperature range	°C	- 65 to + 170			
Maximum working voltage	V	(P x R) ^{1/2}			



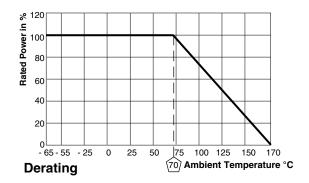


DIMENSIONS



MODEL	DIMENSIONS in inches (millimeters)						
	L	w	н	Т	Α	В	
WSK0612	0.060 ± 0.010 (1.50 ± 0.254)	0.120 ± 0.010 (3.05 ± 0.254)	0.015 ± 0.010 (0.381 ± 0.254)	0.015 ± 0.010 (0.381 ± 0.254)	0.020 ± 0.005 (0.51 ± 0.127)	0.020 ± 0.005 (0.51 ± 0.127)	

MODEL	SOLDER PAD DIMENSIONS in inches (millimeters)					
	а	b	С	d	I	
WSK0612	0.040 (1.01)	0.135 (3.43)	0.030 (0.762)	0.015 (0.381)	0.030 (0.76)	



PERFORMANCE					
TEST	CONDITIONS OF TEST	TEST LIMITS			
Thermal shock	- 55 °C to + 150 °C, 1000 cycles, 15 min at each extreme	± 1.0 % 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	± 2.0 % 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"	± 2.0 % ΔR			
Resistance to solder heat	+ 260 °C solder, 10 s to 12 s dwell, 25 mm/s emergence	± 0.5 % ΔR			
Moisture resistance	MIL-STD-202, method 106, 0 % power, 7a and 7b not required	± 1.0 % ΔR			

PACKAGING					
MODEL	REEL				
WODEL	TAPE WIDTH	DIAMETER	PIECES/REEL	CODE	
WSK0612	8 mm/embossed plastic	178 mm/7"	4000	EA	

Note

[•] Embossed Carrier Tape per EIA-481.





Vishay

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