

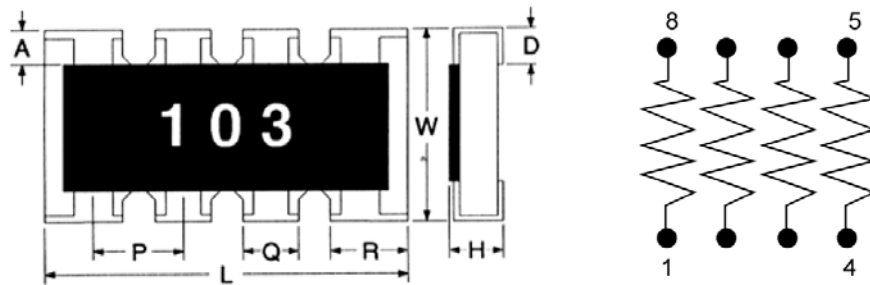
- Features:
- Thick film resistor element
 - Multiple circuit types available
 - High palladium inner terminations
 - Square corner construction standard
 - Zero ohm jumper available
 - RoHS compliant



Electrical Specifications							
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage (1)	Maximum Overload Voltage	TCR (ppm/°C)	Ohmic Range (Ω) and Tolerance		
					1%	2%	5%
RAVS104D	0.063W	25V	50V	± 200 ppm/°C	-	-	10 - 1M
RAVS164D	0.063W	50V	100V	± 200 ppm/°C	-	-	22 - 1M
RAVS324D	0.125W	200V	400V	± 200 ppm/°C	22 - 1M	10 - 1M	10 - 1M

(1) Lesser of \sqrt{PR} or maximum working voltage

Schematic:

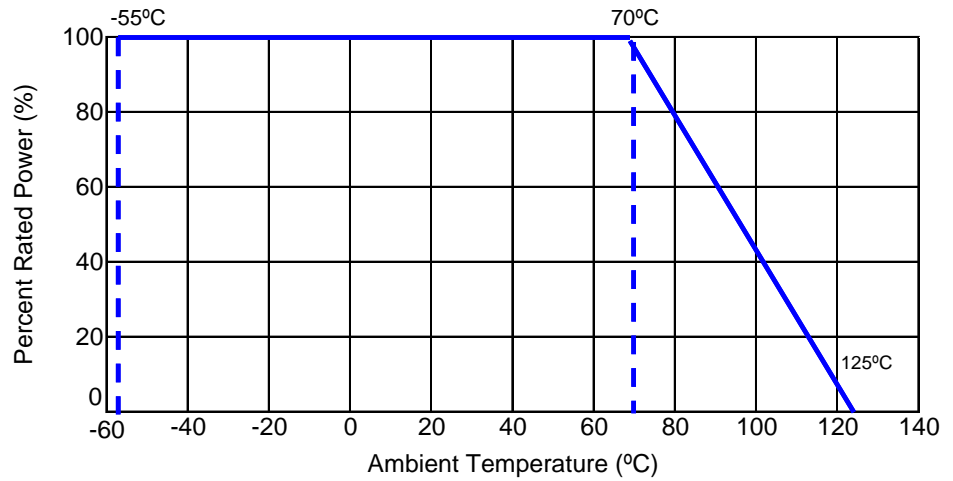


Mechanical Specifications									
Type / Code	L Body Length	W Body Width	H Body Height	P Element Spacing	Q Termination Width	R End Termination Width	A Top Termination	D Bottom Termination	Units
RAVS104D	0.079 ± 0.004 2.00 ± 0.10	0.039 ± 0.004 1.00 ± 0.10	0.014 ± 0.002 0.35 ± 0.05	0.020 ± 0.004 0.50 ± 0.10	0.012 ± 0.006 0.30 ± 0.15	0.016 ± 0.006 0.40 0.15	0.006 ± 0.004 0.15 ± 0.10	0.010 ± 0.004 0.25 ± 0.10	inches mm
RAVS164D	0.126 ± 0.004 3.20 ± 0.10	0.063 ± 0.004 1.60 ± 0.10	0.020 ± 0.004 0.50 ± 0.10	0.031 ± 0.004 0.80 ± 0.10	0.016 ± 0.006 0.40 ± 0.15	0.024 ± 0.006 0.60 0.15	0.012 ± 0.008 0.30 ± 0.20	0.010 ± 0.006 0.25 ± 0.15	inches mm
RAVS324D	0.200 ± 0.008 5.08 ± 0.20	0.122 ± 0.008 3.10 ± 0.20	0.022 ± 0.004 0.55 ± 0.10	0.050 ± 0.004 1.27 ± 0.10	0.031 ± 0.008 0.80 ± 0.20	- -	0.020 ± 0.008 0.50 ± 0.20	0.012 ± 0.008 0.30 ± 0.20	inches mm

Performance Characteristics	
Test	Test Results (JIS C 5202)
Load Life in Moisture	±3%
Temperature Cycle	±1%
Load Life	±3%
Resistance to Soldering Heat	±1%
Terminal Adhesion	±1%
Short Time Overload	±2%

Operating Temperature Range: -55°C to +125°C

Power Derating Curve:



New part number format starting January 3rd, 2011:

How to Order

1	2	3	4	5	6	7	8	9	10	11	12	13	14
R	A	V	S	3	2	4	D	J	T	1	0	K	0

Product Series	
RAVS	Convex Anti-Sulfur

Code	Power
10	0.063W
16	0.063W
32	0.125W

Elements
4

Circuit Type	
Code	Description
D	Isolated

Tolerance	
Code	Tol
F	1%
G	2%
J	5%

Packaging			
Code	Description	Size	Quantity
T	Tape and Reel	10	10,000
		16	5,000
		32	4,000

Resistance Value
Four characters with the multiplier used as the decimal holder.
22 ohm = 22R0
10.2 Kohm = 10K2
1 Mohm = 1M00

Legacy Part Number (before January 3, 2011):

SEI Type		Code	# of Elements	Circuit Type		Nominal Resistance	Tolerance	Packaging		
RAVS		32	4	D		10K	5%	R		

Type	Description	Code	Power	Elements	Code	Type	Tol	Values	Code	Size	Quantity
RAVS	Convex Anti-Sulfur	10	0.063W	4	D	Isolated	5%	E24	R	10	10,000
		16	0.063W							16	5,000
		32	0.125W							10	4,000