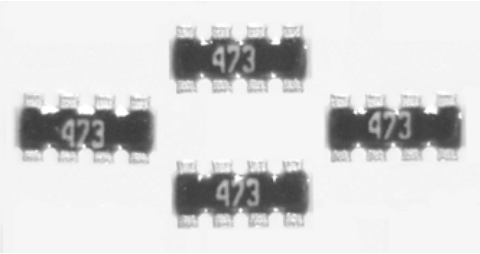
Features:

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

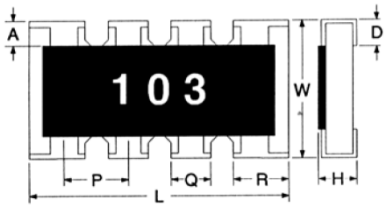


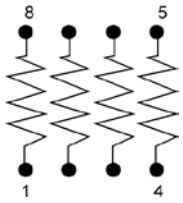
Electrical Specifications

Type / Code	Power Rating (Watts) @ 70ºC	Maximum Working Voltage (1)	Maximum Overload Voltage	TCR (ppm/ºC)	Ohmic Range (Ω) and Tolerance		
					1%	2%	5%
RAVS102D	0.063W	25V	50V	± 300 ppm/ºC ± 200 ppm/ºC	 10 - 1M	1 - 10 10.1 - 1M	1 - 10 10.1 - 1M
RAVS162D	0.063W	50V	100V	± 200 ppm/ºC	10 - 1M	1 - 10M	1 - 10M
RAVS104D	0.063W	25V	50V	± 200 ppm/ºC	-	-	10 - 1M
RAVS164D	0.063W	50V	100V	± 200 ppm/ºC	-	-	22 - 1M
RAVS324D	0.125W	200V	400V	± 200 ppm/ºC	22 - 1M	10 - 1M	10 - 1M

(1) Lesser of√PR or maximum working voltage

Schematic:





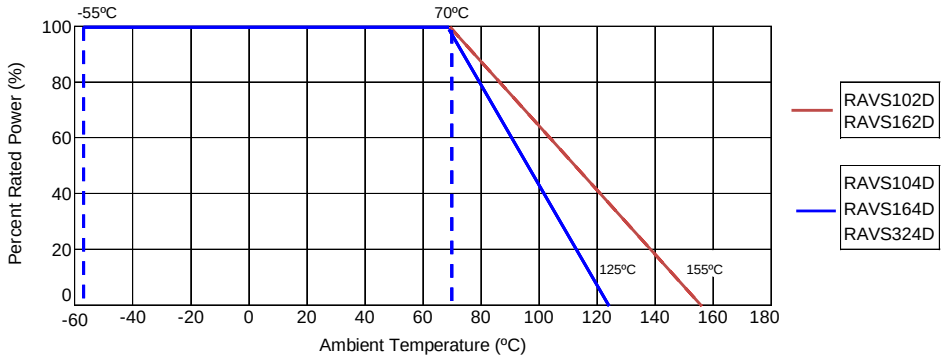
Mechanical Specifications

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	Unit
RAVS102D	0.039 ± 0.004 1.00 ± 0.10	0.039 ± 0.004 1.00 ± 0.10	0.014 ± 0.004 0.35 ± 0.10	0.026 ± 0.002 0.65 ± 0.05	-	0.013 ± 0.002 0.33 ± 0.05	0.006 ± 0.004 0.15 ± 0.10	0.010 ± 0.002 0.25 ± 0.05	inches mm
RAVS162D	0.063 ± 0.006 1.60 ± 0.15	0.063 ± 0.006 1.60 ± 0.15	0.020 ± 0.006 0.50 ± 0.15	0.031 ± 0.002 0.80 ± 0.05	-	0.024 ± 0.006 0.60 ± 0.15	0.012 ± 0.006 0.30 ± 0.15	0.012 ± 0.006 0.30 ± 0.15	inches mm
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%
Anti-sulfur (ASTM B 809-95) 60ºC, >90% R.H.	±1%

Operating Temperature Range: -55ºC to +155ºC (RAVS102D, RAVS162D)
-55ºC to +125ºC (RAVS104D, RAVS164D, RAVS324D)

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
2
4

Circuit Type	
Code	Description
D	Isolated

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

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 Zero ohm jumper = 0R00

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
RAVS	Convex Anti-Sulfur

Code	Power
10	0.063W
16	0.063W
32	0.125W

Elements
2
4

Code	Type
D	Isolated

Tol	Values
1%	E24
2%	E24
5%	E24

Code	Size	Quantity
R	10	10,000
	16	5,000
	32	4,000