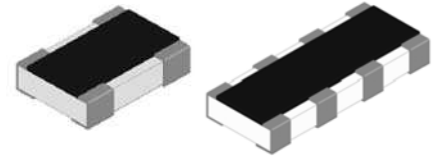


- Features:
- Thick film resistor element
  - Ideal SMD substitute for leaded networks
  - Flat termination for better solderability, reliability and lower cost
  - Zero ohm jumper available
  - RoHS compliant / lead-free



Electrical Specifications					
Type / Code (# of Elements/Circuit Type)	Power Rating (per element) @ 70°C	Maximum Working Voltage (1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance
RAF 052D	0.031W	12.5V	25V	±200 ppm/°C	5%
RAF 054D					10 - 1M

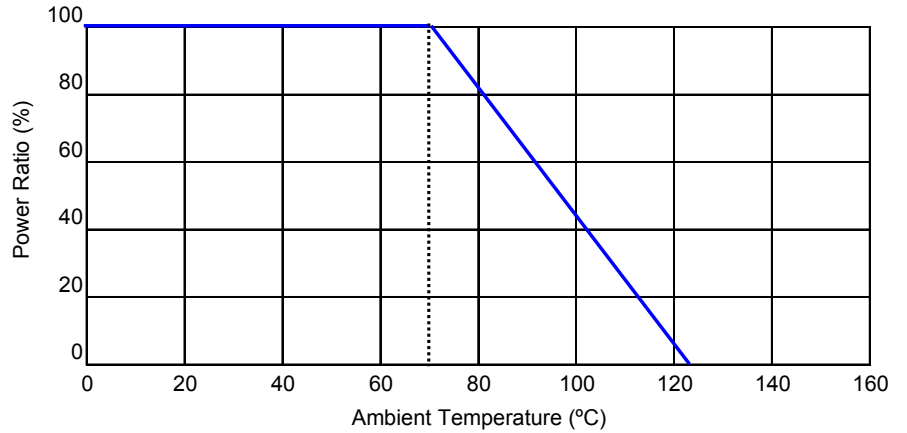
(1) Lesser of  $\sqrt{PR}$  or maximum working voltage

Schematics			
Isolated Circuit - 2D	Isolated Circuit - 4D	RAF - 2 Resistors / 4 Terminations (D)	RAF - 4 Resistors / 8 Terminations (D)

Mechanical Specifications								
Type / Code (# of Elements/ Circuit Type)	L Body Length	W Body Width	H Body Height	A Termination Width	B Element Spacing	C Top Termination	Y Bottom Termination	Unit
RAF 052D	0.031 ± 0.004 0.8 ± 0.1	0.024 ± 0.004 0.6 ± 0.1	0.014 ± 0.004 0.35 ± 0.1	0.012 ± 0.004 0.3 ± 0.1	0.02 ± 0.004 0.5 ± 0.1	0.006 ± 0.004 0.15 ± 0.1	0.006 ± 0.004 0.15 ± 0.1	inches mm
RAF 054D	0.055 ± 0.004 1.4 ± 0.1	0.024 ± 0.004 0.6 ± 0.1	0.014 ± 0.004 0.35 ± 0.1	0.008 ± 0.004 0.2 ± 0.1	0.016 ± 0.004 0.4 ± 0.1	0.004 ± 0.003 0.1 ± 0.07	0.006 ± 0.002 0.15 ± 0.05	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%
Short Time Overload	±2%
Operating Temperature Range	-55°C to +125°C

Power Derating Curve:



**How to Order**

SEI Type		Code		# of Elements	Circuit Type	Nominal Resistance	Tolerance	Packaging				
<b>RAF</b>		<b>05</b>		<b>4</b>	<b>D</b>	<b>10K</b>	<b>5%</b>	<b>T</b>				
Type	Description	Code	Wattage	# of Elements	Circuit Type		Tol	Values	Types	Qty	Description	Code
RAF	Flat	05	0.031W	2	D Isolated		5%	E24	All	10,000	tape and reel	T
				4								

**How to Order**

