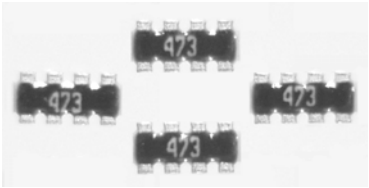
RAF Series — Flat Termination Chip Resistor Array

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

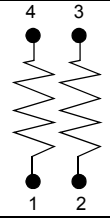
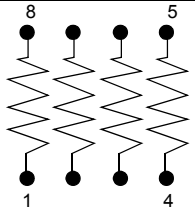


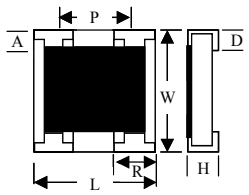
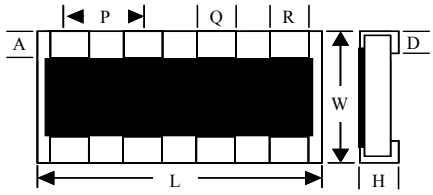
Electrical Specifications

Type / Code / # of Elements / Circuit Type	Power Rating (per element) @ 70°C	Maximum Working Voltage*	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance	
					1%	5%
RAF 054D	0.031W	12.5V	25V	±200 ppm/°C	10Ω – 1MΩ	10Ω – 1MΩ
RAF 102D	0.063W	25V	50V			
RAF 104D						

*Lesser of √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 inches mm

Type/Code/ # of Elements/ Circuit Type	L Body Length	W Body Width	H Body Height	P Element Spacing	Q Termination Width	R Termination Width	D Bottom Termination	A Top Termination
RAF 054D	0.055 ± 0.004 1.4 ± 0.10	0.024 ± 0.004 0.60 ± 0.10	0.014 ± 0.004 0.35 ± 0.10	0.016 0.40	0.008 ± 0.004 0.20 ± 0.10	0.008 ± 0.004 0.20 ± 0.10	0.006 ± 0.004 0.15 ± 0.10	0.004 ± 0.004 0.10 ± 0.10
RAF 102D	0.039 ± 0.002 1.0 ± 0.05	0.039 ± 0.004 1.0 ± 0.10	0.016 ± 0.004 0.4 ± 0.10	0.026 ± 0.002 0.65 ± 0.05	–	0.013 ± 0.004 0.33 ± 0.10	0.010 ± 0.004 0.25 ± 0.10	0.006 ± 0.004 0.15 ± 0.10
RAF 104D	0.079 ± 0.004 2.0 ± 0.10	0.039 ± 0.004 1.0 ± 0.10	0.016 ± 0.004 0.4 ± 0.10	0.020 ± 0.006 0.50 ± 0.15	0.012 ± 0.006 0.30 ± 0.15	0.012 ± 0.004 0.30 ± 0.10	0.014 ± 0.006 0.35 ± 0.15	0.009 ± 0.004 0.22 ± 0.10

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 Range	-55°C to +150°C

How to Order

RAF	16	4	D	10K	5%	R
SEI Type	Code	# of Elements	Circuit Type	Nominal Resistance	Tolerance	Packaging

SEI Type	Description
RAF	Flat
RAFF	Flat RoHS

Code
05
10

Elements
2
4

Circuit Type
D = Isolated

Tolerance	Values
1%	E24
5%	E24

SEI Types	Pkg Qty	Description	Code
All	10,000	Reel	R