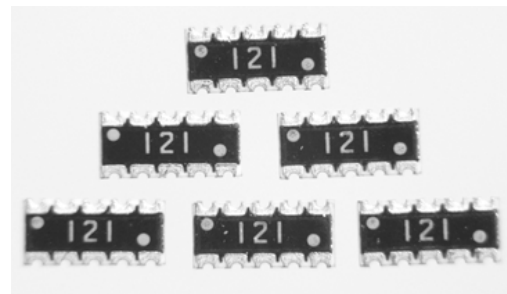


- Features:
- Thick film resistor element
 - Zero ohm available
 - Auto-placement capability
 - Multiple circuit types available
 - Ideal SMD substitute for leaded networks

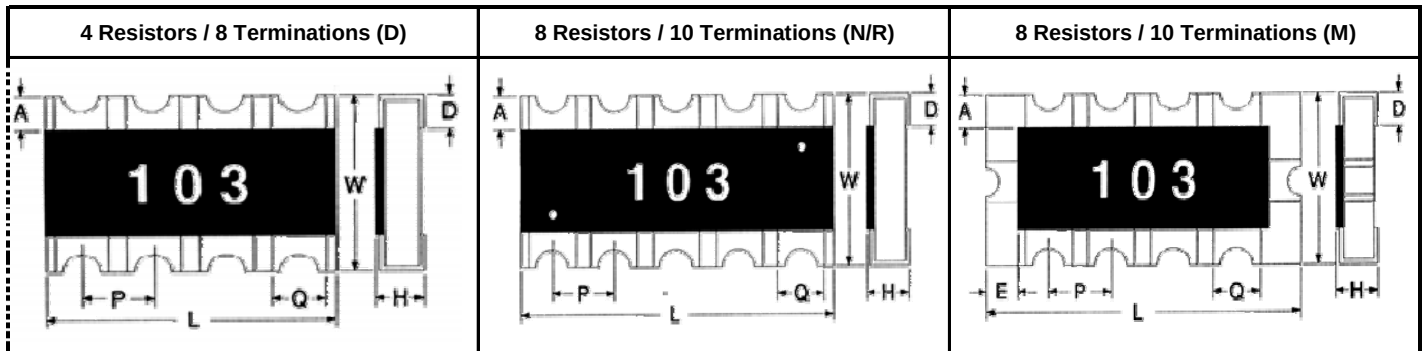


Electrical Specifications							
Type / Code / # of Elements / Circuit Type	Power Rating (per element) @ 70°C	Maximum Working Voltage (1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance		
					1%	2%	5%
RACF164D	0.063W	50V	100V	± 200 ppm/ $^{\circ}\text{C}$	1 - 1M	1 - 10M	1 - 10M
RACF324D	0.125W	200V	400V	± 200 ppm/ $^{\circ}\text{C}$	22 - 1M	-	10 - 1M
RACF408M	0.063W	25V	50V	± 200 ppm/ $^{\circ}\text{C}$	-	-	22 - 1M
RACF648N	0.063W	50V	100V	± 200 ppm/ $^{\circ}\text{C}$	-	-	22 - 1M
RACF648R	0.063W	50V	100V	± 200 ppm/ $^{\circ}\text{C}$	-	-	22 - 1M

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

Operating Temperature: RACF 16-4D: -55°C to +155°C
All other types: -55°C to +125°C

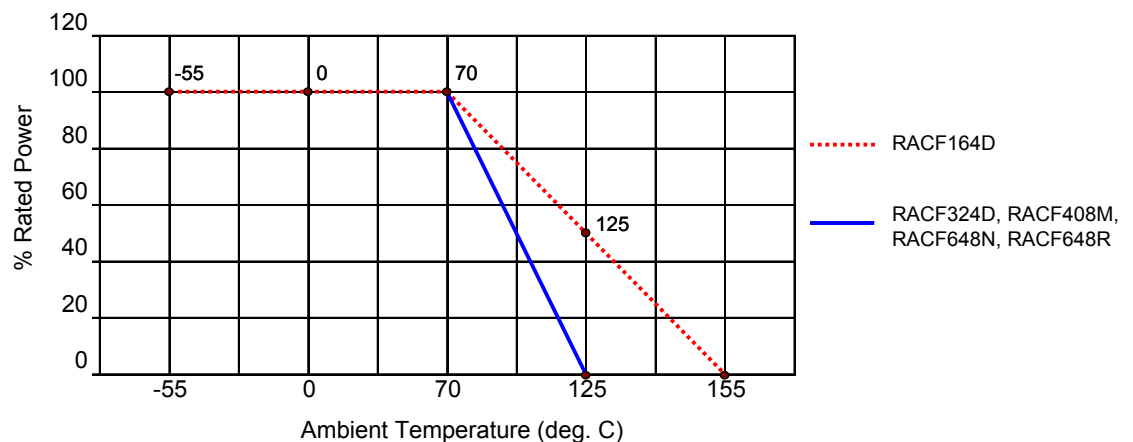
Schematics			
Isolated Circuit - D	Bussed Circuit - M	Bussed Circuit - N	Bussed Circuit - R



Mechanical Specifications									
Type / Code / # of Elements / Circuit Type	L Body Length	W Body Width	H Body Height	P Element Spacing	Q Termination Width	D Bottom Termination	A Top Termination	E End Termination	Unit
RACF164D	0.126 ± 0.008 3.20 ± 0.20	0.063 ± 0.006 1.60 ± 0.15	0.024 ± 0.006 0.60 ± 0.15	0.031 0.80	0.016 ± 0.008 0.40 ± 0.2	0.016 ± 0.008 0.40 ± 0.20	0.012 ± 0.008 0.30 ± 0.20	-	inches mm
RACF324D	0.200 ± 0.008 5.08 ± 0.20	0.118 ± 0.008 3.00 ± 0.20	0.024 ± 0.004 0.60 ± 0.10	0.050 1.27	0.031 ± 0.004 0.80 ± 0.10	0.020 ± 0.008 0.50 ± 0.20	0.022 ± 0.008 0.55 ± 0.20	-	inches mm
RACF408M	0.157 ± 0.008 4.00 ± 0.20	0.083 ± 0.008 2.10 ± 0.20	0.024 ± 0.004 0.60 ± 0.10	0.031 0.80	0.020 ± 0.008 0.50 ± 0.20	0.016 ± 0.008 0.40 ± 0.20	0.010 ± 0.008 0.25 ± 0.20	0.012 ± 0.008 0.30 ± 0.20	inches mm
RACF648N	0.252 ± 0.008 6.40 ± 0.20	0.122 ± 0.008 3.10 ± 0.20	0.024 ± 0.004 0.60 ± 0.10	0.050 1.27	0.028 ± 0.008 0.70 ± 0.20	0.020 ± 0.008 0.50 ± 0.20	0.014 ± 0.006 0.35 ± 0.15	-	inches mm
RACF648R	0.252 ± 0.008 6.40 ± 0.20	0.122 ± 0.008 3.10 ± 0.20	0.024 ± 0.004 0.60 ± 0.10	0.050 1.27	0.028 ± 0.008 0.70 ± 0.20	0.020 ± 0.008 0.50 ± 0.20	0.014 ± 0.006 0.35 ± 0.15	-	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%

Power Derating Curve:



How to Order													
1	2	3	4	5	6	7	8	9	10	11	12	13	14
R	A	C	F	1	6	4	D	J	T	1	0	K	0
Product Series		Code	Power	Tolerance			Packaging				Resistance Value		
RACF	Concave RoHS	164D	0.063W	Code	Tol	Value	Code	Description	Size	Quantity	Four characters with the multiplier used as the decimal holder. 1 ohm = 1R00 100 Kohm = 100K 1 Mohm = 1M00 Zero ohm jumper = 0R00		
		324D	0.125W	F	1%	E24	T	Reel - Paper Tape	164D	5,000			
		408M	0.063W	G	2%			Reel - Plastic Tape	324D, 408M	4,000			
		648N	0.063W	J	5%				648N, 648R				
		648R	0.063W	Z	jumper								

D = Isolated
M, N, R = Bussed

Legacy Part Number (before January 3, 2011):

SEI Type		Code	Number of Elements	Circuit Type	Nominal Resistance	Tolerance	Packaging			
RAC		16	4	D	10K	5%	R			
Type	Description	Code	Elements	Circuit Type	Tol		Types	Pkg Qty	Description	Code
RAC	Standard	16	4	D = Isolated	1%	E24	164	5,000	paper tape and reel	R
RACF	RoHS	32	8	M = Bussed	2%	E24	324, 408, 648	4,000	plastic tape and reel	
		40		N = Bussed	5%	E24				
		64		R = Bussed						