

THICK FILM RESISTOR NETWORKS

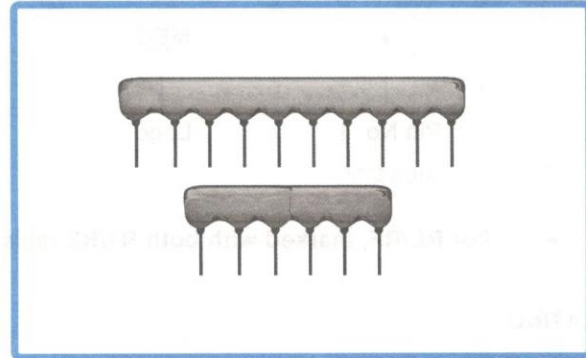
R Series

(Single-in-Line, Low Profile)

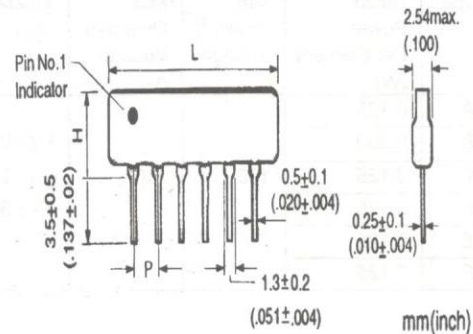
MERITEK

FEATURES

- Wide resistance range (10Ω - 4.7MΩ available)
- Miniature package with maximum sealed heights 0.2" (5.08mm)
- Highly stable thick film products
- Products protected by tough epoxy conformal coating
- Reduces total assembly cost
- Mixed value resistances available



Type	H max mm (inch)	L max mm (inch)	P mm (inch)	No. Pins	No. Elements
A,C,D	5.08 (.200)	Pin No. X 2.54±0.25 (Pin No. X. 100±0.010)	2.54 ± 0.2 (.100 ± .008)	4-12	3-11
B				4-12	2-6
E				4-12	4-20
F				5-13	4-12



PART NUMBERING SYSTEM

Meritek Series

Circuit Configurations

Standard Configurations

Circuit Symbol	A	C	E
Circuit Configuration			
Circuit Symbol	B	D	F
Circuit Configuration			

* Custom Designed Resistor Networks Are Also Available.

No. Element

2 - 20

Resistance Value

The first two digits are significant figures of resistance value and the third denotes the number of zeros following

CODE	331	472	223	104
Value	330Ω	4.7KΩ	22KΩ	100KΩ

RE/RF shows both R1 / R2 resistance value

Resistance Tolerance

CODE	F	G	J
Tolerance	± 1%	± 2%	± 5%

R A 09 103 G

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MARKING

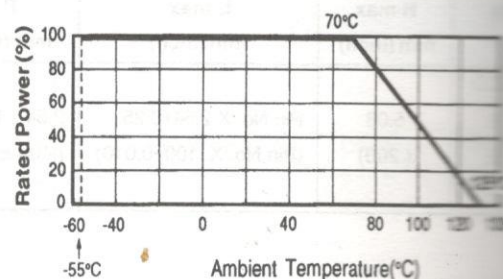


- For RE/RF, marked with both R1/R2 resistance value. May omit manufacturer's logo if necessary.

RATING

Type	Rated Power Per Element (W)	Max Working Voltage (V)	Max Overload Voltage (V)	Tolerance (%)	Range (Ω)
RA	0.125	100	150	F ($\pm 1\%$) G ($\pm 2\%$) J ($\pm 5\%$)	10-4.7M E12 E24 SERIES
RB	0.200				
RC	0.125				
RD	0.125				
RE	0.125				
RF	0.125				

Derating Curve



ENVIRONMENTAL PERFORMANCE

Description	Specification Limited	Applicable Standards Per MIL-R-83401
Temperature Coefficient	$\pm 100, \pm 200$ PPM/°C Max.	4.6.8
Short Time Overload	$\pm(1\% + 0.05 \Omega)$ Max.	4.6.10
Terminal Strength	$\pm(1\% + 0.05 \Omega)$ Max.	4.6.11
Resistance to Soldering Heat	$\pm(1\% + 0.05 \Omega)$ Max.	4.6.14
Solderability	95% Coverage Min.	4.6.6
Insulation Resistance	10,000M Ω Min.	4.6.13
Moisture Resistance	$\pm(5\% + 0.1 \Omega)$ Max.	4.6.15
Load Life	$\pm(5\% + 0.1 \Omega)$ Max.	4.6.18
Temperature Cycling	$\pm(3\% + 0.1 \Omega)$ Max.	4.6.3

— Special Order for Temperature Coefficient ± 100 PPM/°C