

High Power Thick Film Resistor 0603



RoHS
Compliant



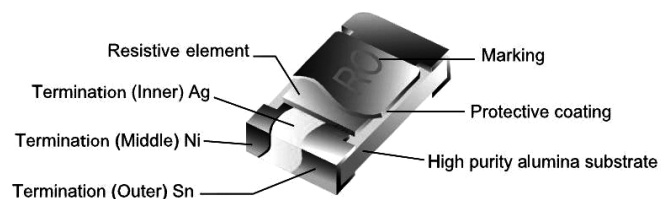
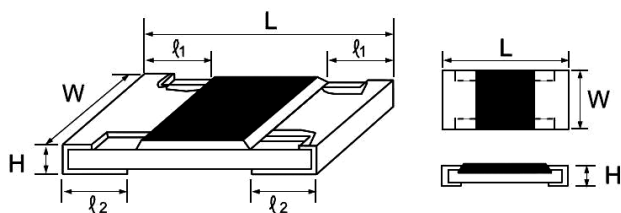
Features

- High power in standard size
- Suitable for both wave and reflow soldering
- Application : AV adapters, LCD back light, Camera strobe

Performance Specification

Temperature Coefficient	: 1Ω to 10Ω ≤ ±200PPM/°C 11Ω to 10MΩ ≤ ±100PPM/°C
Short Time Overload	: ±5% : ±(2% +0.1Ω)Max. ±1% : ±(1% +0.1Ω)Max.
Terminal Bending	: ±(1% +0.05Ω) Max.
Soldering Heat	: ±(1% +0.05Ω) Max.
Solderability	: Min. 95% coverage
Temperature Cycling	: ±5% : ±(1% +0.05Ω) Max. ±1% : ±(0.5% +0.05Ω) Max.
Humidity (Steady State)	: ±5% : ±(3% +0.1Ω) Max. ±1% : ±(0.5% +0.1Ω) Max.
Load Life in Humidity	: ±5% : ±(3% +0.1Ω) Max. ±1% : ±(1% +0.1Ω) Max.
Load Life	: ±5% : ±(3% +0.1Ω) Max. ±1% : ±(1% +0.1Ω) Max.

Dimension



Type	Dimension (mm)				
	L	W	H	l ₁	l ₂
0603	1.6 ±0.1	0.8 ^{+0.15} / _{+0.1}	0.45 ±0.1	0.3 ±0.2	0.3 ±0.2

Type	Power Rating at 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Tolerance %	Resistance Range
0603	1/5W	50V	100V	300V	±1% ±5%	1Ω to 10MΩ 1Ω to 10MΩ

High Power Thick Film Resistor 0603



Part Number Table

Description	Part Number
Resistor, 10R, 0603 1% 125mW	MCHP03W8F100JT5E
Resistor, 12R, 0603 1% 125mW	MCHP03W8F120JT5E
Resistor, 15R, 0603 1% 125mW	MCHP03W8F150JT5E
Resistor, 18R, 0603 1% 125mW	MCHP03W8F180JT5E
Resistor, 22R, 0603 1% 125mW	MCHP03W8F220JT5E
Resistor, 27R, 0603 1% 125mW	MCHP03W8F270JT5E
Resistor, 33R, 0603 1% 125mW	MCHP03W8F330JT5E
Resistor, 39R, 0603 1% 125mW	MCHP03W8F390JT5E
Resistor, 47R, 0603 1% 125mW	MCHP03W8F470JT5E
Resistor, 56R, 0603 1% 125mW	MCHP03W8F560JT5E
Resistor, 68R, 0603 1% 125mW	MCHP03W8F680JT5E
Resistor, 82R, 0603 1% 125mW	MCHP03W8F820JT5E
Resistor, 100R, 0603 1% 125mW	MCHP03W8F1000T5E
Resistor, 120R, 0603 1% 125mW	MCHP03W8F1200T5E
Resistor, 150R, 0603 1% 125mW	MCHP03W8F1500T5E
Resistor, 180R, 0603 1% 125mW	MCHP03W8F1800T5E
Resistor, 220R, 0603 1% 125mW	MCHP03W8F2200T5E
Resistor, 270R, 0603 1% 125mW	MCHP03W8F2700T5E
Resistor, 330R, 0603 1% 125mW	MCHP03W8F3300T5E
Resistor, 390R, 0603 1% 125mW	MCHP03W8F3900T5E
Resistor, 470R, 0603 1% 125mW	MCHP03W8F4700T5E
Resistor, 560R, 0603 1% 125mW	MCHP03W8F5600T5E
Resistor, 680R, 0603 1% 125mW	MCHP03W8F6800T5E
Resistor, 820R, 0603 1% 125mW	MCHP03W8F8200T5E
Resistor, 1K, 1%, 125mW	MCHP03W8F1001T5E
Resistor, 1K2, 0603 1% 125mW	MCHP03W8F1201T5E
Resistor, 1K5, 0603 1% 125mW	MCHP03W8F1501T5E
Resistor, 1K8, 0603 1% 125mW	MCHP03W8F1801T5E
Resistor, 2K2, 0603 1% 125mW	MCHP03W8F2201T5E
Resistor, 2K7, 0603 1% 125mW	MCHP03W8F2701T5E
Resistor, 3K3, 0603 1% 125mW	MCHP03W8F3301T5E
Resistor, 3K9, 0603 1% 125mW	MCHP03W8F3901T5E
Resistor, 4K7, 0603 1% 125mW	MCHP03W8F4701T5E

Description	Part Number
Resistor, 5K6, 0603 1% 125mW	MCHP03W8F5601T5E
Resistor, 6K8, 0603 1% 125mW	MCHP03W8F6801T5E
Resistor, 8K2, 0603 1% 125mW	MCHP03W8F8201T5E
Resistor, 10K, 1%, 125mW	MCHP03W8F1002T5E
Resistor, 12K, 0603 1% 125mW	MCHP03W8F1202T5E
Resistor, 15K, 0603 1% 125mW	MCHP03W8F1502T5E
Resistor, 18K, 0603 1% 125mW	MCHP03W8F1802T5E
Resistor, 22K, 0603 1% 125mW	MCHP03W8F2202T5E
Resistor, 27K, 0603 1% 125mW	MCHP03W8F2702T5E
Resistor, 33K, 0603 1% 125mW	MCHP03W8F3302T5E
Resistor, 39K, 0603 1% 125mW	MCHP03W8F3902T5E
Resistor, 47K, 0603 1% 125mW	MCHP03W8F4702T5E
Resistor, 56K, 0603 1% 125mW	MCHP03W8F5602T5E
Resistor, 68K, 0603 1% 125mW	MCHP03W8F6802T5E
Resistor, 82K, 0603 1% 125mW	MCHP03W8F8202T5E
Resistor, 100K, 0603 1% 125mW	MCHP03W8F1003T5E
Resistor, 120K, 0603 1% 125mW	MCHP03W8F1203T5E
Resistor, 150K, 0603 1% 125mW	MCHP03W8F1503T5E
Resistor, 180K, 0603 1% 125mW	MCHP03W8F1803T5E
Resistor, 220K, 0603 1% 125mW	MCHP03W8F2203T5E
Resistor, 270K, 0603 1% 125mW	MCHP03W8F2703T5E
Resistor, 330K, 0603 1% 125mW	MCHP03W8F3303T5E
Resistor, 390K, 0603 1% 125mW	MCHP03W8F3903T5E
Resistor, 470K, 0603 1% 125mW	MCHP03W8F4703T5E
Resistor, 560K, 0603 1% 125mW	MCHP03W8F5603T5E
Resistor, 680K, 0603 1% 125mW	MCHP03W8F6803T5E
Resistor, 820K, 0603 1% 125mW	MCHP03W8F8203T5E
Resistor, 1M, 0603 1% 125mW	MCHP03W8F1004T5E
Resistor, 1M2, 0603 1% 125mW	MCHP03W8F1204T5E
Resistor, 1M5, 0603 1% 125mW	MCHP03W8F1504T5E
Resistor, 1M8, 0603 1% 125mW	MCHP03W8F1804T5E
Resistor, 2M2, 0603 1% 125mW	MCHP03W8F2204T5E
Resistor, 2M7, 0603 1% 125mW	MCHP03W8F2704T5E

High Power Thick Film Resistor

0603



Description	Part Number
Resistor, 3M3, 0603 1% 125mW	MCHP03W8F3304T5E
Resistor, 3M9, 0603 1% 125mW	MCHP03W8F3904T5E
Resistor, 4M7, 0603 1% 125mW	MCHP03W8F4704T5E
Resistor, 5M6, 0603 1% 125mW	MCHP03W8F5604T5E
Resistor, 6M8, 0603 1% 125mW	MCHP03W8F6804T5E
Resistor, 8M2, 0603 1% 125mW	MCHP03W8F8204T5E
Resistor, 10M, 0603 1% 125mW	MCHP03W8F1005T5E
Resistor, 1R, 0603 5% 125mW	MCHP03W8J010JT5E
Resistor, 12R, 0603 5% 125mW	MCHP03W8J0120T5E
Resistor, 15R, 0603 5% 125mW	MCHP03W8J0150T5E
Resistor, 18R, 0603 5% 125mW	MCHP03W8J0180T5E
Resistor, 22R, 0603 5% 125mW	MCHP03W8J0220T5E
Resistor, 27R, 0603 5% 125mW	MCHP03W8J0270T5E
Resistor, 33R, 0603 5% 125mW	MCHP03W8J0330T5E
Resistor, 39R, 0603 5% 125mW	MCHP03W8J0390T5E
Resistor, 47R, 0603 5% 125mW	MCHP03W8J0470T5E
Resistor, 56R, 0603 5% 125mW	MCHP03W8J0560T5E
Resistor, 68R, 0603 5% 125mW	MCHP03W8J0680T5E
Resistor, 82R, 0603 5% 125mW	MCHP03W8J0820T5E
Resistor, 100R, 0603 5% 125mW	MCHP03W8J0101T5E
Resistor, 120R, 0603 5% 125mW	MCHP03W8J0121T5E
Resistor, 150R, 0603 5% 125mW	MCHP03W8J0151T5E
Resistor, 180R, 0603 5% 125mW	MCHP03W8J0181T5E
Resistor, 220R, 0603 5% 125mW	MCHP03W8J0221T5E
Resistor, 270R, 0603 5% 125mW	MCHP03W8J0271T5E
Resistor, 330R, 0603 5% 125mW	MCHP03W8J0331T5E
Resistor, 390R, 0603 5% 125mW	MCHP03W8J0391T5E
Resistor, 470R, 0603 5% 125mW	MCHP03W8J0471T5E
Resistor, 560R, 0603 5% 125mW	MCHP03W8J0561T5E
Resistor, 680R, 0603 5% 125mW	MCHP03W8J0681T5E
Resistor, 820R, 0603 5% 125mW	MCHP03W8J0821T5E
Resistor, 1K, 0603 5% 125mW	MCHP03W8J0102T5E
Resistor, 1K2, 0603 5% 125mW	MCHP03W8J0122T5E

Description	Part Number
Resistor, 1K5, 0603 5% 125mW	MCHP03W8J0152T5E
Resistor, 1K8, 0603 5% 125mW	MCHP03W8J0182T5E
Resistor, 2K2, 0603 5% 125mW	MCHP03W8J0222T5E
Resistor, 2K7, 0603 5% 125mW	MCHP03W8J0272T5E
Resistor, 3K3, 0603 5% 125mW	MCHP03W8J0332T5E
Resistor, 3K9, 0603 5% 125mW	MCHP03W8J0392T5E
Resistor, 4.7K, 0603 5% 125mW	MCHP03W8J0472T5E
Resistor, 5K6, 0603 5% 125mW	MCHP03W8J0562T5E
Resistor, 6K8, 0603 5% 125mW	MCHP03W8J0682T5E
Resistor, 8K2, 0603 5% 125mW	MCHP03W8J0822T5E
Resistor, 10K, 0603 5% 125mW	MCHP03W8J0103T5E
Resistor, 12K, 0603 5% 125mW	MCHP03W8J0123T5E
Resistor, 15K, 0603 5% 125mW	MCHP03W8J0153T5E
Resistor, 18K, 0603 5% 125mW	MCHP03W8J0183T5E
Resistor, 22K, 0603 5% 125mW	MCHP03W8J0223T5E
Resistor, 27K, 0603 5% 125mW	MCHP03W8J0273T5E
Resistor, 33K, 0603 5% 125mW	MCHP03W8J0333T5E
Resistor, 39K, 0603 5% 125mW	MCHP03W8J0393T5E
Resistor, 47K, 0603 5% 125mW	MCHP03W8J0473T5E
Resistor, 56K, 0603 5% 125mW	MCHP03W8J0563T5E
Resistor, 68K, 0603 5% 125mW	MCHP03W8J0683T5E
Resistor, 82K, 0603 5% 125mW	MCHP03W8J0823T5E
Resistor, 100K, 0603 5% 125mW	MCHP03W8J0104T5E
Resistor, 120K, 0603 5% 125mW	MCHP03W8J0124T5E
Resistor, 150K, 0603 5% 125mW	MCHP03W8J0154T5E
Resistor, 180K, 0603 5% 125mW	MCHP03W8J0184T5E
Resistor, 220K, 0603 5% 125mW	MCHP03W8J0224T5E
Resistor, 270K, 0603 5% 125mW	MCHP03W8J0274T5E
Resistor, 330K, 0603 5% 125mW	MCHP03W8J0334T5E
Resistor, 390K, 0603 5% 125mW	MCHP03W8J0394T5E
Resistor, 470K, 0603 5% 125mW	MCHP03W8J0474T5E
Resistor, 560K, 0603 5% 125mW	MCHP03W8J0564T5E
Resistor, 680K, 0603 5% 125mW	MCHP03W8J0684T5E

High Power Thick Film Resistor 0603



Description	Part Number
Resistor, 820K, 0603 5% 125mW	MCHP03W8J0824T5E
Resistor, 1M, 0603 5% 125mW	MCHP03W8J0105T5E
Resistor, 1M2, 0603 5% 125mW	MCHP03W8J0125T5E
Resistor, 1M5, 0603 5% 125mW	MCHP03W8J0155T5E
Resistor, 1M8, 0603 5% 125mW	MCHP03W8J0185T5E
Resistor, 2M2, 0603 5% 125mW	MCHP03W8J0225T5E
Resistor, 2M7, 0603 5% 125mW	MCHP03W8J0275T5E
Resistor, 3M3, 0603 5% 125mW	MCHP03W8J0335T5E
Resistor, 3M9, 0603 5% 125mW	MCHP03W8J0395T5E
Resistor, 4M7, 0603 5% 125mW	MCHP03W8J0475T5E
Resistor, 5M6, 0603 5% 125mW	MCHP03W8J0565T5E
Resistor, 6M8, 0603 5% 125mW	MCHP03W8J0685T5E
Resistor, 8M2, 0603 5% 125mW	MCHP03W8J0825T5E
Resistor, 10M, 0603 5% 125mW	MCHP03W8J0106T5E

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