

High Power Thick Film Resistor 0805



RoHS
Compliant



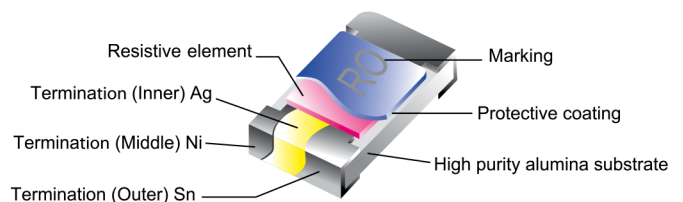
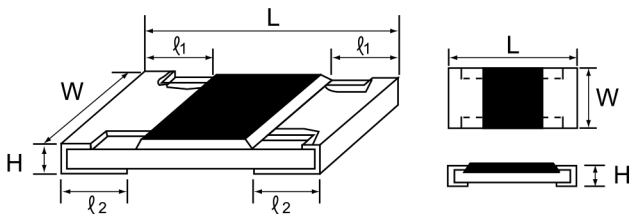
Features:

- High Power in standard size
- Suitable for both Wave and reflow soldering
- Application : AV adapter, LCD back light Camera Strobe

Performance Specification

Temperature Coefficient	: 1Ω to $10\Omega \leq \pm 200\text{PPM}/^\circ\text{C}$ 11Ω to $10\text{M}\Omega \leq \pm 100\text{PPM}/^\circ\text{C}$
Short Time Overload	: $\pm 5\%$: $\pm(2\% + 0.1\Omega)\text{Max.}$ $\pm 1\%$: $\pm(1\% + 0.1\Omega)\text{Max.}$
Terminal Bending	: $\pm(1\% + 0.05\Omega)\text{Max.}$
Soldering Heat	: $\pm(1\% + 0.05\Omega)\text{Max.}$
Solderability	: Min. 95% coverage
Temperature Cycling	: $\pm 5\%$: $\pm(1\% + 0.05\Omega)\text{Max.}$ $\pm 1\%$: $\pm(0.5\% + 0.05\Omega)\text{Max.}$
Humidity (Steady State)	: $\pm 5\%$: $\pm(3\% + 0.1\Omega)\text{Max.}$ $\pm 1\%$: $\pm(0.5\% + 0.1\Omega)\text{Max.}$
Load Life in Humidity	: $\pm 5\%$: $\pm(3\% + 0.1\Omega)\text{Max.}$ $\pm 1\%$: $\pm(1\% + 0.1\Omega)\text{Max.}$
Load Life	: $\pm 5\%$: $\pm(3\% + 0.1\Omega)\text{Max.}$ $\pm 1\%$: $\pm(1\% + 0.1\Omega)\text{Max.}$

Dimension



Type	Dimension (mm)				
	L	W	H	l_1	l_2
0805	2 ± 0.15	$1.25^{+0.15}_{-0.1}$	0.55 ± 0.1	0.4 ± 0.2	0.4 ± 0.2

Type	Power Rating at 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Tolerance %	Resistance Range
0805	1/3W	150V	300V	500V	$\pm 1\%$ $\pm 5\%$	1Ω to $10\text{M}\Omega$ 1Ω to $10\text{M}\Omega$

Note:

- 1) Standard Operating Temperature : -55°C to $+155^\circ\text{C}$
- 2) Standard : E-96 series : 1% & E-24 series : 5%
- 3) Low resistance range from 0.1Ω to 1Ω available, electrical performance same as above, TCR for 0805 at $\pm 200\text{ppm}$

www.element14.com
www.farnell.com
www.newark.com



High Power Thick Film Resistor 0805



Part Number Table

Description	Part Number
Resistor, 1R, 0805 1% 0.25W	MCHP05W4F100KT5E
Resistor, 12R, 0805 1% 0.25W	MCHP05W4F120JT5E
Resistor, 15R, 0805 1% 0.25W	MCHP05W4F150JT5E
Resistor, 18R, 0805 1% 0.25W	MCHP05W4F180JT5E
Resistor, 22R, 0805 1% 0.25W	MCHP05W4F220JT5E
Resistor, 27R, 0805 1% 0.25W	MCHP05W4F270JT5E
Resistor, 33R, 0805 1% 0.25W	MCHP05W4F330JT5E
Resistor, 100R, 0805 1% 0.25W	MCHP05W4F1000T5E
Resistor, 120R, 0805 1% 0.25W	MCHP05W4F1200T5E
Resistor, 150R, 0805 1% 0.25W	MCHP05W4F1500T5E
Resistor, 180R, 0805 1% 0.25W	MCHP05W4F1800T5E
Resistor, 220R, 0805 1% 0.25W	MCHP05W4F2200T5E
Resistor, 270R, 0805 1% 0.25W	MCHP05W4F2700T5E
Resistor, 330R, 0805 1% 0.25W	MCHP05W4F3300T5E
Resistor, 390R, 0805 1% 0.25W	MCHP05W4F3900T5E
Resistor, 1K, 250MW, 1%	MCHP05W4F1001T5E
Resistor, 1K2, 0805 1% 0.25W	MCHP05W4F1201T5E
Resistor, 1K5, 0805 1% 0.25W	MCHP05W4F1501T5E
Resistor, 1K8, 0805 1% 0.25W	MCHP05W4F1801T5E
Resistor, 2K2, 0805 1% 0.25W	MCHP05W4F2201T5E
Resistor, 2K7, 0805 1% 0.25W	MCHP05W4F2701T5E
Resistor, 3K3, 0805 1% 0.25W	MCHP05W4F3301T5E
Resistor, 3K9, 0805 1% 0.25W	MCHP05W4F3901T5E
Resistor, 10K, 250MW, 1%	MCHP05W4F1002T5E
Resistor, 12K, 0805 1% 0.25W	MCHP05W4F1202T5E
Resistor, 15K, 0805 1% 0.25W	MCHP05W4F1502T5E
Resistor, 18K, 0805 1% 0.25W	MCHP05W4F1802T5E
Resistor, 22K, 0805 1% 0.25W	MCHP05W4F2202T5E
Resistor, 27K, 0805 1% 0.25W	MCHP05W4F2702T5E
Resistor, 33K, 0805 1% 0.25W	MCHP05W4F3302T5E
Resistor, 100K, 0805 1% 0.25W	MCHP05W4F1003T5E
Resistor, 120K, 0805 1% 0.25W	MCHP05W4F1203T5E
Resistor, 150K, 0805 1% 0.25W	MCHP05W4F1503T5E
Resistor, 180K, 0805 1% 0.25W	MCHP05W4F1803T5E
Resistor, 220K, 0805 1% 0.25W	MCHP05W4F2203T5E
Resistor, 270K, 0805 1% 0.25W	MCHP05W4F2703T5E
Resistor, 330K, 0805 1% 0.25W	MCHP05W4F3303T5E
Resistor, 1M, 0805 1% 0.25W	MCHP05W4F1004T5E
Resistor, 1M2, 0805 1% 0.25W	MCHP05W4F1204T5E

Description	Part Number
Resistor, 1M5, 0805 1% 0.25W	MCHP05W4F1504T5E
Resistor, 1M8, 0805 1% 0.25W	MCHP05W4F1804T5E
Resistor, 2M2, 0805 1% 0.25W	MCHP05W4F2204T5E
Resistor, 2M7, 0805 1% 0.25W	MCHP05W4F2704T5E
Resistor, 3M3, 0805 1% 0.25W	MCHP05W4F3304T5E
Resistor, 10M, 0805 1% 0.25W	MCHP05W4F1005T5E
Resistor, 39R, 0805 1% 0.25W	MCHP05W4F390JT5E
Resistor, 47R, 0805 1% 0.25W	MCHP05W4F470JT5E
Resistor, 56R, 0805 1% 0.25W	MCHP05W4F560JT5E
Resistor, 68R, 0805 1% 0.25W	MCHP05W4F680JT5E
Resistor, 82R, 0805 1% 0.25W	MCHP05W4F820JT5E
Resistor, 470R, 0805 1% 0.25W	MCHP05W4F4700T5E
Resistor, 560R, 0805 1% 0.25W	MCHP05W4F5600T5E
Resistor, 680R, 0805 1% 0.25W	MCHP05W4F6800T5E
Resistor, 820R, 0805 1% 0.25W	MCHP05W4F8200T5E
Resistor, 4K7, 0805 1% 0.25W	MCHP05W4F4701T5E
Resistor, 5K6, 0805 1% 0.25W	MCHP05W4F5601T5E
Resistor, 6K8, 0805 1% 0.25W	MCHP05W4F6801T5E
Resistor, 8K2, 0805 1% 0.25W	MCHP05W4F8201T5E
Resistor, 39K, 0805 1% 0.25W	MCHP05W4F3902T5E
Resistor, 47K, 0805 1% 0.25W	MCHP05W4F4702T5E
Resistor, 56K, 0805 1% 0.25W	MCHP05W4F5602T5E
Resistor, 68K, 0805 1% 0.25W	MCHP05W4F6802T5E
Resistor, 82K, 0805 1% 0.25W	MCHP05W4F8202T5E
Resistor, 390K, 0805 1% 0.25W	MCHP05W4F3903T5E
Resistor, 470K, 0805 1% 0.25W	MCHP05W4F4703T5E
Resistor, 560K, 0805 1% 0.25W	MCHP05W4F5603T5E
Resistor, 680K, 0805 1% 0.25W	MCHP05W4F6803T5E
Resistor, 820K, 0805 1% 0.25W	MCHP05W4F8203T5E
Resistor, 3M9, 0805 1% 0.25W	MCHP05W4F3904T5E
Resistor, 4M7, 0805 1% 0.25W	MCHP05W4F4704T5E
Resistor, 5M6, 0805 1% 0.25W	MCHP05W4F5604T5E
Resistor, 6M8, 0805 1% 0.25W	MCHP05W4F6804T5E
Resistor, 8M2, 0805 1% 0.25W	MCHP05W4F8204T5E
Resistor, 1R, 0805 5% 0.25W	MCHP05W4J010JT5E
Resistor, 12R, 0805 5% 0.25W	MCHP05W4J0120T5E
Resistor, 15R, 0805 5% 0.25W	MCHP05W4J0150T5E
Resistor, 18R, 0805 5% 0.25W	MCHP05W4J0180T5E
Resistor, 22R, 0805 5% 0.25W	MCHP05W4J0220T5E

High Power Thick Film Resistor 0805



Description	Part Number
Resistor, 27R, 0805 5% 0.25W	MCHP05W4J0270T5E
Resistor, 33R, 0805 5% 0.25W	MCHP05W4J0330T5E
Resistor, 39R, 0805 5% 0.25W	MCHP05W4J0390T5E
Resistor, 47R, 0805 5% 0.25W	MCHP05W4J0470T5E
Resistor, 56R, 0805 5% 0.25W	MCHP05W4J0560T5E
Resistor, 68R, 0805 5% 0.25W	MCHP05W4J0680T5E
Resistor, 82R, 0805 5% 0.25W	MCHP05W4J0820T5E
Resistor, 100R, 0805 5% 0.25W	MCHP05W4J0101T5E
Resistor, 120R, 0805 5% 0.25W	MCHP05W4J0121T5E
Resistor, 150R, 0805 5% 0.25W	MCHP05W4J0151T5E
Resistor, 180R, 0805 5% 0.25W	MCHP05W4J0181T5E
Resistor, 220R, 0805 5% 0.25W	MCHP05W4J0221T5E
Resistor, 270R, 0805 5% 0.25W	MCHP05W4J0271T5E
Resistor, 330R, 0805 5% 0.25W	MCHP05W4J0331T5E
Resistor, 390R, 0805 5% 0.25W	MCHP05W4J0391T5E
Resistor, 470R, 0805 5% 0.25W	MCHP05W4J0471T5E
Resistor, 560R, 0805 5% 0.25W	MCHP05W4J0561T5E
Resistor, 680R, 0805 5% 0.25W	MCHP05W4J0681T5E
Resistor, 820R, 0805 5% 0.25W	MCHP05W4J0821T5E
Resistor, 1K, 0805 5% 0.25W	MCHP05W4J0102T5E
Resistor, 1K2, 0805 5% 0.25W	MCHP05W4J0122T5E
Resistor, 1K5, 0805 5% 0.25W	MCHP05W4J0152T5E
Resistor, 1K8, 0805 5% 0.25W	MCHP05W4J0182T5E
Resistor, 2K2, 0805 5% 0.25W	MCHP05W4J0222T5E
Resistor, 2K7, 0805 5% 0.25W	MCHP05W4J0272T5E
Resistor, 3K3, 0805 5% 0.25W	MCHP05W4J0332T5E
Resistor, 3K9, 0805 5% 0.25W	MCHP05W4J0392T5E
Resistor, 4K7, 0805 5% 0.25W	MCHP05W4J0472T5E
Resistor, 5K6, 0805 5% 0.25W	MCHP05W4J0562T5E
Resistor, 6K8, 0805 5% 0.25W	MCHP05W4J0682T5E
Resistor, 8K2, 0805 5% 0.25W	MCHP05W4J0822T5E
Resistor, 10K, 0805 5% 0.25W	MCHP05W4J0103T5E
Resistor, 12K, 0805 5% 0.25W	MCHP05W4J0123T5E
Resistor, 15K, 0805 5% 0.25W	MCHP05W4J0153T5E

Description	Part Number
Resistor, 18K, 0805 5% 0.25W	MCHP05W4J0183T5E
Resistor, 22K, 0805 5% 0.25W	MCHP05W4J0223T5E
Resistor, 27K, 0805 5% 0.25W	MCHP05W4J0273T5E
Resistor, 33K, 0805 5% 0.25W	MCHP05W4J0333T5E
Resistor, 39K, 0805 5% 0.25W	MCHP05W4J0393T5E
Resistor, 47K, 0805 5% 0.25W	MCHP05W4J0473T5E
Resistor, 56K, 0805 5% 0.25W	MCHP05W4J0563T5E
Resistor, 68K, 0805 5% 0.25W	MCHP05W4J0683T5E
Resistor, 82K, 0805 5% 0.25W	MCHP05W4J0823T5E
Resistor, 100K, 0805 5% 0.25W	MCHP05W4J0104T5E
Resistor, 120K, 0805 5% 0.25W	MCHP05W4J0124T5E
Resistor, 150K, 0805 5% 0.25W	MCHP05W4J0154T5E
Resistor, 180K, 0805 5% 0.25W	MCHP05W4J0184T5E
Resistor, 220K, 0805 5% 0.25W	MCHP05W4J0224T5E
Resistor, 270K, 0805 5% 0.25W	MCHP05W4J0274T5E
Resistor, 330K, 0805 5% 0.25W	MCHP05W4J0334T5E
Resistor, 390K, 0805 5% 0.25W	MCHP05W4J0394T5E
Resistor, 470K, 0805 5% 0.25W	MCHP05W4J0474T5E
Resistor, 560K, 0805 5% 0.25W	MCHP05W4J0564T5E
Resistor, 680K, 0805 5% 0.25W	MCHP05W4J0684T5E
Resistor, 820K, 0805 5% 0.25W	MCHP05W4J0824T5E
Resistor, 1M, 0805 5% 0.25W	MCHP05W4J0105T5E
Resistor, 1M2, 0805 5% 0.25W	MCHP05W4J0125T5E
Resistor, 1M5, 0805 5% 0.25W	MCHP05W4J0155T5E
Resistor, 1M8, 0805 5% 0.25W	MCHP05W4J0185T5E
Resistor, 2M2, 0805 5% 0.25W	MCHP05W4J0225T5E
Resistor, 2M7, 0805 5% 0.25W	MCHP05W4J0275T5E
Resistor, 3M3, 0805 5% 0.25W	MCHP05W4J0335T5E
Resistor, 3M9, 0805 5% 0.25W	MCHP05W4J0395T5E
Resistor, 4M7, 0805 5% 0.25W	MCHP05W4J0475T5E
Resistor, 5M6, 0805 5% 0.25W	MCHP05W4J0565T5E
Resistor, 6M8, 0805 5% 0.25W	MCHP05W4J0685T5E
Resistor, 8M2, 0805 5% 0.25W	MCHP05W4J0825T5E
Resistor, 10M, 0805 5% 0.25W	MCHP05W4J0106T5E

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