

High Power Thick Film Resistor 1206



RoHS
Compliant



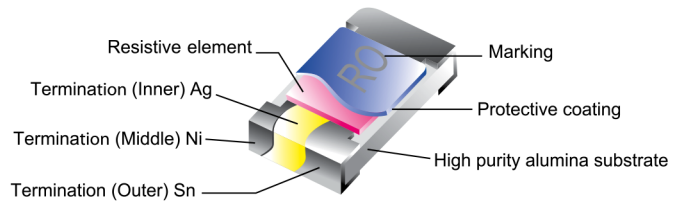
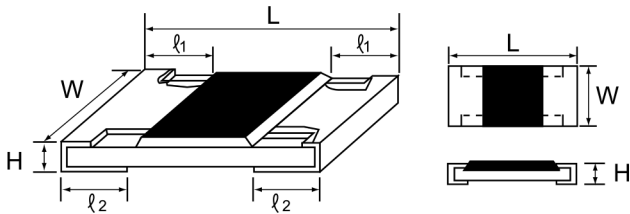
Features:

- 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
1206	3.1 ± 0.15	$1.55^{+0.15}_{-0.1}$	0.55 ± 0.1	0.45 ± 0.2	0.45 ± 0.2

Type	Power Rating at 70°C	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Tolerance %	Resistance Range
1206	1/2W	200V	400V	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 1206 at $\pm 100\text{ppm}$

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High Power Thick Film Resistor 1206



Part Number Table

Description	Part Number
Resistor, 1206, 1R, 1%, 0.5W	MCHP06W2F100KT5E
Resistor, 12R, 1206 1% 0.5W	MCHP06W2F120JT5E
Resistor, 15R, 1206 1% 0.5W	MCHP06W2F150JT5E
Resistor, 18R, 1206 1% 0.5W	MCHP06W2F180JT5E
Resistor, 22R, 1206 1% 0.5W	MCHP06W2F220JT5E
Resistor, 27R, 1206 1% 0.5W	MCHP06W2F270JT5E
Resistor, 100R, 500MW, 1%	MCHP06W2F1000T5E
Resistor, 120R, 1206 1% 0.5W	MCHP06W2F1200T5E
Resistor, 150R, 1206 1% 0.5W	MCHP06W2F1500T5E
Resistor, 180R, 1206 1% 0.5W	MCHP06W2F1800T5E
Resistor, 220R, 1206 1% 0.5W	MCHP06W2F2200T5E
Resistor, 270R, 1206 1% 0.5W	MCHP06W2F2700T5E
Resistor, 1K, 500MW, 1%	MCHP06W2F1001T5E
Resistor, 1K2, 1206 1% 0.5W	MCHP06W2F1201T5E
Resistor, 1K5, 1206 1% 0.5W	MCHP06W2F1501T5E
Resistor, 1K8, 1206 1% 0.5W	MCHP06W2F1801T5E
Resistor, 2K2, 1206 1% 0.5W	MCHP06W2F2201T5E
Resistor, 2K7, 1206 1% 0.5W	MCHP06W2F2701T5E
Resistor, 33R, 1206 1% 0.5W	MCHP06W2F330JT5E
Resistor, 39R, 1206 1% 0.5W	MCHP06W2F390JT5E
Resistor, 47R, 1206 1% 0.5W	MCHP06W2F470JT5E
Resistor, 56R, 1206 1% 0.5W	MCHP06W2F560JT5E
Resistor, 68R, 1206 1% 0.5W	MCHP06W2F680JT5E
Resistor, 82R, 1206 1% 0.5W	MCHP06W2F820JT5E
Resistor, 390R, 1206 1% 0.5W	MCHP06W2F3900T5E
Resistor, 470R, 1206 1% 0.5W	MCHP06W2F4700T5E
Resistor, 10K, 1206 1% 0.5W	MCHP06W2F1002T5E
Resistor, 12K, 1206 1% 0.5W	MCHP06W2F1202T5E
Resistor, 15K, 1206 1% 0.5W	MCHP06W2F1502T5E
Resistor, 18K, 1206 1% 0.5W	MCHP06W2F1802T5E
Resistor, 22K, 1206 1% 0.5W	MCHP06W2F2202T5E
Resistor, 27K, 1206 1% 0.5W	MCHP06W2F2702T5E
Resistor, 100K, 1206 1% 0.5W	MCHP06W2F1003T5E
Resistor, 120K, 1206 1% 0.5W	MCHP06W2F1203T5E
Resistor, 150K, 1206 1% 0.5W	MCHP06W2F1503T5E
Resistor, 180K, 1206 1% 0.5W	MCHP06W2F1803T5E
Resistor, 220K, 1206 1% 0.5W	MCHP06W2F2203T5E
Resistor, 560R, 1206 1% 0.5W	MCHP06W2F5600T5E
Resistor, 680R, 1206 1% 0.5W	MCHP06W2F6800T5E

Description	Part Number
Resistor, 820R, 1206 1% 0.5W	MCHP06W2F8200T5E
Resistor, 3K3, 1206 1% 0.5W	MCHP06W2F3301T5E
Resistor, 3K9, 1206 1% 0.5W	MCHP06W2F3901T5E
Resistor, 4K7, 1206 1% 0.5W	MCHP06W2F4701T5E
Resistor, 5K6, 1206 1% 0.5W	MCHP06W2F5601T5E
Resistor, 6.8K, 1206 1% 0.5W	MCHP06W2F6801T5E
Resistor, 8.2K, 1206 1% 0.5W	MCHP06W2F8201T5E
Resistor, 33K, 1206 1% 0.5W	MCHP06W2F3302T5E
Resistor, 39K, 1206 1% 0.5W	MCHP06W2F3902T5E
Resistor, 270K, 1206 1% 0.5W	MCHP06W2F2703T5E
Resistor, 1M, 1206 1% 0.5W	MCHP06W2F1004T5E
Resistor, 1M2, 1206 1% 0.5W	MCHP06W2F1204T5E
Resistor, 1M5, 1206 1% 0.5W	MCHP06W2F1504T5E
Resistor, 1M8, 1206 1% 0.5W	MCHP06W2F1804T5E
Resistor, 2M2, 1206 1% 0.5W	MCHP06W2F2204T5E
Resistor, 2M7, 1206 1% 0.5W	MCHP06W2F2704T5E
Resistor, 10M, 1206 1% 0.5W	MCHP06W2F1005T5E
Resistor, 47K, 1206 1% 0.5W	MCHP06W2F4702T5E
Resistor, 56K, 1206 1% 0.5W	MCHP06W2F5602T5E
Resistor, 68K, 1206 1% 0.5W	MCHP06W2F6802T5E
Resistor, 82K, 1206 1% 0.5W	MCHP06W2F8202T5E
Resistor, 330K, 1206 1% 0.5W	MCHP06W2F3303T5E
Resistor, 390K, 1206 1% 0.5W	MCHP06W2F3903T5E
Resistor, 470K, 1206 1% 0.5W	MCHP06W2F4703T5E
Resistor, 560K, 1206 1% 0.5W	MCHP06W2F5603T5E
Resistor, 680K, 1206 1% 0.5W	MCHP06W2F6803T5E
Resistor, 820K, 1206 1% 0.5W	MCHP06W2F8203T5E
Resistor, 3M3, 1206 1% 0.5W	MCHP06W2F3304T5E
Resistor, 3M9, 1206 1% 0.5W	MCHP06W2F3904T5E
Resistor, 4M7, 1206 1% 0.5W	MCHP06W2F4704T5E
Resistor, 5M6, 1206 1% 0.5W	MCHP06W2F5604T5E
Resistor, 6M8, 1206 1% 0.5W	MCHP06W2F6804T5E
Resistor, 8M2, 1206 1% 0.5W	MCHP06W2F8204T5E
Resistor, 1R, 1206 5% 0.5W	MCHP06W2J010JT5E
Resistor, 12R, 1206 5% 0.5W	MCHP06W2J0120T5E
Resistor, 15R, 1206 5% 0.5W	MCHP06W2J0150T5E
Resistor, 18R, 1206 5% 0.5W	MCHP06W2J0180T5E
Resistor, 22R, 1206 5% 0.5W	MCHP06W2J0220T5E
Resistor, 27R, 1206 5% 0.5W	MCHP06W2J0270T5E

High Power Thick Film Resistor 1206



Description	Part Number
Resistor, 33R, 1206 5% 0.5W	MCHP06W2J0330T5E
Resistor, 39R, 1206 5% 0.5W	MCHP06W2J0390T5E
Resistor, 47R, 1206 5% 0.5W	MCHP06W2J0470T5E
Resistor, 56R, 1206 5% 0.5W	MCHP06W2J0560T5E
Resistor, 68R, 1206 5% 0.5W	MCHP06W2J0680T5E
Resistor, 82R, 1206 5% 0.5W	MCHP06W2J0820T5E
Resistor, 100R, 1206 5% 0.5W	MCHP06W2J0101T5E
Resistor, 120R, 1206 5% 0.5W	MCHP06W2J0121T5E
Resistor, 150R, 1206 5% 0.5W	MCHP06W2J0151T5E
Resistor, 180R, 1206 5% 0.5W	MCHP06W2J0181T5E
Resistor, 220R, 1206 5% 0.5W	MCHP06W2J0221T5E
Resistor, 270R, 1206 5% 0.5W	MCHP06W2J0271T5E
Resistor, 330R, 1206 5% 0.5W	MCHP06W2J0331T5E
Resistor, 390R, 1206 5% 0.5W	MCHP06W2J0391T5E
Resistor, 470R, 1206 5% 0.5W	MCHP06W2J0471T5E
Resistor, 560R, 1206 5% 0.5W	MCHP06W2J0561T5E
Resistor, 680R, 1206 5% 0.5W	MCHP06W2J0681T5E
Resistor, 820R, 1206 5% 0.5W	MCHP06W2J0821T5E
Resistor, 1K, 1206 5% 0.5W	MCHP06W2J0102T5E
Resistor, 1K2, 1206 5% 0.5W	MCHP06W2J0122T5E
Resistor, 1K5, 1206 5% 0.5W	MCHP06W2J0152T5E
Resistor, 1K8, 1206 5% 0.5W	MCHP06W2J0182T5E
Resistor, 2K2, 1206 5% 0.5W	MCHP06W2J0222T5E
Resistor, 2K7, 1206 5% 0.5W	MCHP06W2J0272T5E
Resistor, 3K3, 1206 5% 0.5W	MCHP06W2J0332T5E
Resistor, 3K9, 1206 5% 0.5W	MCHP06W2J0392T5E
Resistor, 4K7, 1206 5% 0.5W	MCHP06W2J0472T5E
Resistor, 5K6, 1206 5% 0.5W	MCHP06W2J0562T5E
Resistor, 6K8, 1206 5% 0.5W	MCHP06W2J0682T5E
Resistor, 8K2, 1206 5% 0.5W	MCHP06W2J0822T5E
Resistor, 10K, 1206 5% 0.5W	MCHP06W2J0103T5E
Resistor, 12K, 1206 5% 0.5W	MCHP06W2J0123T5E
Resistor, 15K, 1206 5% 0.5W	MCHP06W2J0153T5E
Resistor, 18K, 1206 5% 0.5W	MCHP06W2J0183T5E

Description	Part Number
Resistor, 22K, 1206 5% 0.5W	MCHP06W2J0223T5E
Resistor, 27K, 1206 5% 0.5W	MCHP06W2J0273T5E
Resistor, 33K, 1206 5% 0.5W	MCHP06W2J0333T5E
Resistor, 39K, 1206 5% 0.5W	MCHP06W2J0393T5E
Resistor, 47K, 1206 5% 0.5W	MCHP06W2J0473T5E
Resistor, 56K, 1206 5% 0.5W	MCHP06W2J0563T5E
Resistor, 68K, 1206 5% 0.5W	MCHP06W2J0683T5E
Resistor, 82K, 1206 5% 0.5W	MCHP06W2J0823T5E
Resistor, 100K, 1206 5% 0.5W	MCHP06W2J0104T5E
Resistor, 120K, 1206 5% 0.5W	MCHP06W2J0124T5E
Resistor, 150K, 1206 5% 0.5W	MCHP06W2J0154T5E
Resistor, 180K, 1206 5% 0.5W	MCHP06W2J0184T5E
Resistor, 220K, 1206 5% 0.5W	MCHP06W2J0224T5E
Resistor, 270K, 1206 5% 0.5W	MCHP06W2J0274T5E
Resistor, 330K, 1206 5% 0.5W	MCHP06W2J0334T5E
Resistor, 390K, 1206 5% 0.5W	MCHP06W2J0394T5E
Resistor, 470K, 1206 5% 0.5W	MCHP06W2J0474T5E
Resistor, 560K, 1206 5% 0.5W	MCHP06W2J0564T5E
Resistor, 680K, 1206 5% 0.5W	MCHP06W2J0684T5E
Resistor, 820K, 1206 5% 0.5W	MCHP06W2J0824T5E
Resistor, 1M, 1206 5% 0.5W	MCHP06W2J0105T5E
Resistor, 1M2, 1206 5% 0.5W	MCHP06W2J0125T5E
Resistor, 1M5, 1206 5% 0.5W	MCHP06W2J0155T5E
Resistor, 1M8, 1206 5% 0.5W	MCHP06W2J0185T5E
Resistor, 2M2, 1206 5% 0.5W	MCHP06W2J0225T5E
Resistor, 2M7, 1206 5% 0.5W	MCHP06W2J0275T5E
Resistor, 3M3, 1206 5% 0.5W	MCHP06W2J0335T5E
Resistor, 3M9, 1206 5% 0.5W	MCHP06W2J0395T5E
Resistor, 4M7, 1206 5% 0.5W	MCHP06W2J0475T5E
Resistor, 5M6, 1206 5% 0.5W	MCHP06W2J0565T5E
Resistor, 6M8, 1206 5% 0.5W	MCHP06W2J0685T5E
Resistor, 8M2, 1206 5% 0.5W	MCHP06W2J0825T5E
Resistor, 10M, 1206 5% 0.5W	MCHP06W2J0106T5E
Resistor, 330R, 1206 1% 0.5W	MCHP06W2F3300T5E

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