

High Power Thick Film Resistor 1206

multicomp PRO

**RoHS
Compliant**



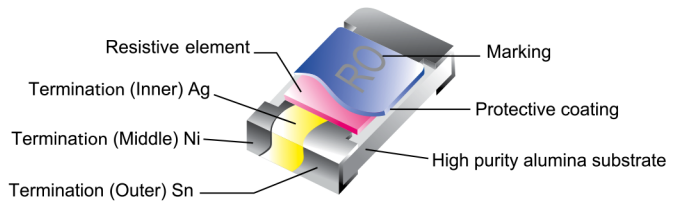
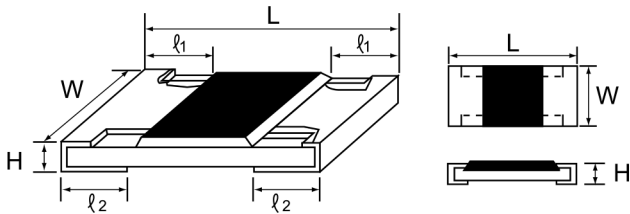
Features:

- 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 $\pm 100\text{ppm}$

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO

High Power Thick Film Resistor 1206

multicomp PRO

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

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO

High Power Thick Film Resistor 1206

multicomp PRO

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO