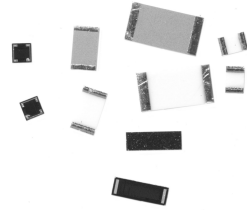


Single High Value Chip Resistors



~ Actual Size

These high value resistors are manufactured using thin film technology and are available with improved performance and size when compared to thick film counterparts. They can be wire bonded or solder attached.

FEATURES

- Ohmic values to hundred megohms
- High Stability
- Low Noise
- Tight Tolerance

TYPICAL PERFORMANCE

◆	ABS
TCR	50
TOL	0.1

 SURFACE MOUNT
CHIPS

SCHEMATIC AND PATTERN



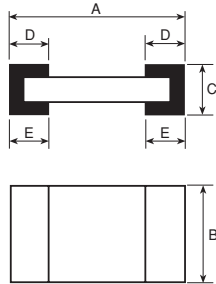
POWER RATING	
CASE SIZE	POWER @ + 70°C (DERATED (TO 0 @ + 155°C))
H 0705	200mW
H 1206	250mW
H 2010	500mW

STANDARD ELECTRICAL SPECIFICATIONS		
TEST	SPECIFICATIONS	CONDITIONS
MATERIAL	PASSIVATED CHROMIUM SILICON	
Absolute TCR:	± 50ppm/°C	- 55°C to + 125°C
Absolute Tolerance:	± 0.1 % to 10%	
Power Rating	See table above	
Stability: ΔR	< 0.2 %	1000 hrs. @ + 70°C
Voltage Coefficient	< 0.1ppm/Volt	
Working Voltage	100 Volts	
Operating Temperature Range	- 55°C to + 155°C	
Storage Temperature Range	- 55°C to + 155°C	
Noise	< - 35dB Typical	
Thermal EMF	< 0.01μV/°C	
Shelf Life Stability	200ppm	1 Year

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HIGH VALUE WRAPAROUND				
SERIES	H0603	H 0705	H 1206	H 2010
Standard Configuration and Sizes				
		(1.91 x 1.27)mm ²	(3.2 x 1.6)mm ²	(5.08 x 2.54)mm ²
Max. Ohmic Value	2.5M	5M	15M	50M
Power Rating at + 25°C	0.1W	0.2W	0.33W	1W

DIMENSIONS in inches (millimeters)



CASE SIZE	SIZE			
	A	B	C	D/E
	max. tol. + 0.64 (0.025) min. tol. - 0.13 (- 0.005)	max. tol. + 0.26 (0.010) min. tol. - 0.13 (- 0.005)	max. tol. + 0.64 (0.024) min. tol. - 0.13 (- 0.005)	max. tol. + 0.13 (0.005) min. tol. - 0.13 (- 0.005)
0705 0805	1.91 (0.075)	1.27 (0.050)	0.38 (0.015)	0.38 (0.015)
1206	3.20 (0.126)	1.60 (0.036)	0.38 (0.015)	0.38 (0.015)
2010	5.08 (0.200)	2.54 (0.100)	0.38 (0.015)	0.38 (0.015)
0603	1.52 (0.086)	0.75 (0.063)	0.38 (0.015)	0.38 (0.015)

HIGH VALUE WRAPAROUND	
Resistive Element	Chromium Silicon
Substrate Material	Alumina
Plating	Tin Lead over Nickel
Terminals	Tin lead over nickel or gold over nickel

How to Order

Type	Size	T.C.R.	Ohmic Value	Tolerance	Termination
P	0705	H	1004	F	B
	0603 0705 0805 1206 2010	H : ±50 ppm/°C K : ±100 ppm/°C Special orders on request.	The first three digits are significant figures and the last digit specifies the number of zero to follow. e.g. 1004 = 1M ohm.	B : ±0.1% D : ±0.5% F : ±1.0% G : ±2.0% J : ±5.0% K : ±10%	B : Tinned over nickel barrier G : Gold over nickel barrier