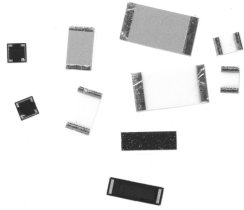


Single High Value Chip Resistors



~ 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



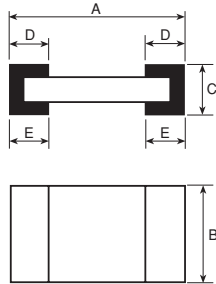
POWER RATING	
CASE SIZE	POWER @ + 70°C (DERATED (TO 0 @ + 155°C))
H 0705	200mW
H 1206	250mW
H 2010	500mW

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

VISHAY THIN FILM • FRANCE +33.4.93.37.28.24 FAX: +33.4.93.37.27.31 • GERMANY +49.9287.710 FAX: +49 9287.70435 • ISRAEL +972.3.557.0945 FAX: +972.3.558.9121
 • ITALY + 39.2.300.11919 FAX: +39.2.300.11999 • JAPAN +81.42.729.0661 FAX: +81.42.729.3400 • SINGAPORE +65.788.6668 FAX: +65.788.0988
 • SWEDEN +46.8.594.70590 FAX: +46.8.594.70581 • UK +44 191 514 8237 FAX: +44 1953 457 722 • USA: (610) 407-4800 FAX: (610) 640-9081

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



Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.