

FIXED THICK FILM HIGH OHM CHIP RESISTOR - RHC Series

FEATURE:

- (1) **Max. Resistance value: 150G ohm**
- (2) Tolerance: $\pm 5\%$; $\pm 10\%$; $\pm 20\%$; $\pm 30\%$; $\pm 50\%$.
- (3) Suitable for compact instrumentation, infraed rays, sensor



RATINGS:

Type	Size Metric	Rated Voltage	Rated Resistance Range	Tolerance	Temperature Coefficient of Resistance $10^{-6}/^{\circ}\text{C}$	Resistor for series	Isolation Voltage	Temperature Range $^{\circ}\text{C}$
RHC16	1608 (0603)	15V	100M Ω ~270M Ω	J ($\pm 5\%$)	0 ~ -2000	E12	100V	-55 ~ +125
			100M Ω ~1G Ω	K ($\pm 10\%$)				
			100M Ω ~150G Ω	M ($\pm 20\%$) N ($\pm 30\%$) H ($\pm 50\%$)				
RHC20	2012 (0805)	15V	100M Ω ~1G Ω	J ($\pm 5\%$)	± 2000	E12	100V	-55 ~ +125
			100M Ω ~10G Ω	K ($\pm 10\%$)				
			100G Ω ~150G Ω	M ($\pm 20\%$)	$\pm 4,000$			
				N ($\pm 30\%$) H ($\pm 50\%$)				

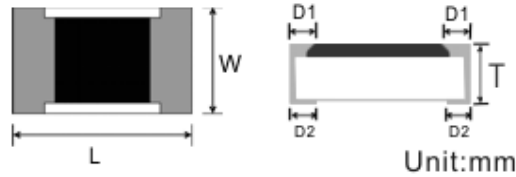
DIMENSION:

Type	Metric	Size	L	W	T	D1	D2	Weigh/pc	Packing
MHC16	1608	0603	1.6 ± 0.1	0.8 ± 0.15	0.45 ± 0.1	0.3 ± 0.1	0.3 ± 0.1	2mg	5K/Reel
MHC20	2012	0805	2.0 ± 0.1	1.25 ± 0.1	0.55 ± 0.1	0.4 ± 0.2	0.4 ± 0.2	5mg	

PART NUMBER DESCRIPTION

Example:

RHC16	10G0	M	TP
Type	Resistance	Tolerance	Packing
RHC16	e.g: (ohm)	J ($\pm 5\%$)	5K/Reel
RHC20	1G00 = 1G	K ($\pm 10\%$)	
	10G0 = 10G	M ($\pm 20\%$)	
	100G = 100G	N ($\pm 30\%$) H ($\pm 50\%$)	

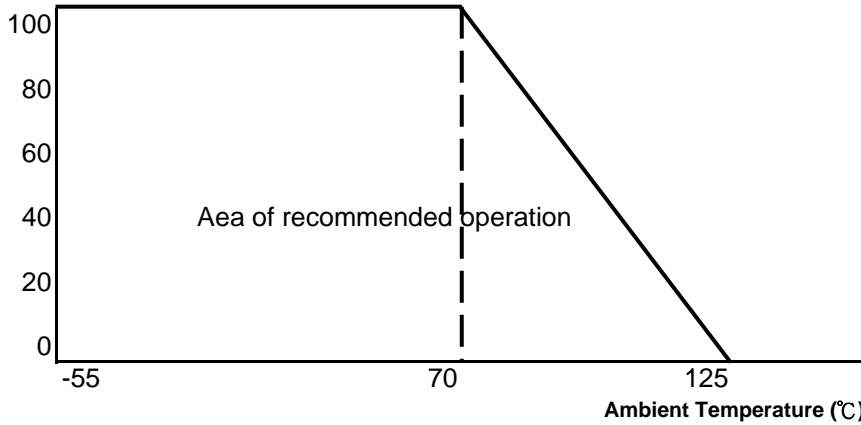


品質承諾標誌
Quality Commitment

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DERATING CURVE:

Percentage of load (%)



PERFORMANCE CHARACTERISTICS

DESCRIPTION	REQUIREMENTS		TEST METHOT JIS C5202-1990
Resistance	RHC16	RHC20	5.1 clause Measuring voltage: 15V
	Within specified tolerance	Within specified tolerance	
Temperaturn characteristic of resistance	See Rating Table	See Rating Table	5.1 clause Measuring temperature: 5 °C /35°C
Voltage coefficient	100MΩ ≤ R<100GΩ :Within ±1%/V	100MΩ ≤ R<10GΩ :Within 0~ -2%/V	5.3 clause Measuring voltage: 5V/15V
	100MΩ ≤ R<150GΩ :Within ±2%/V	100GΩ ≤ R<150GΩ :Within ±10%/V	
Insulation resistance	At least 10T ohm	At least 10T ohm	5.6 clause 100Vd.c. 60s
Solderability	At least 95% of the terminal surface must be covered by new solder.		6.11 clause Dip into 235°C solder bath for 2s
Resistance to soldering heat	100MΩ ≤ R<100GΩ :Within ±1%	100MΩ ≤ R<10GΩ :Within 0~ -2%	6.10 clause Dip into 260°C solder bath for 10s
	100MΩ ≤ R<150GΩ :Within ±2%,No major visible damage	100GΩ ≤ R<150GΩ :Within ±10%	
Rapid change of temperature	100MΩ ≤ R<100GΩ :Within ±1%	100MΩ ≤ R<10GΩ :Within 0~ -2%	7.4 clause Cycle between-55 °C and +125°C for cycles
	100MΩ ≤ R<150GΩ :Within ±2%,No major visible damage	100GΩ ≤ R<150GΩ :Within ±10%	
Moisture resistance property (Steady state)	100MΩ ≤ R<100GΩ :Within ±1%	100MΩ ≤ R<10GΩ :Within 0~ -2%	7.5 clause 40°C, 90-95 R.H. 1000h
	100MΩ ≤ R<150GΩ :Within ±5%,No major visible damage	100GΩ ≤ R<150GΩ :Within ±10%	
Endurance at 70 °C (rated load)	100MΩ ≤ R<100GΩ :Within ±1%	100MΩ ≤ R<10GΩ :Within 0~ -2%	7.10 clause Rated voltage, 1.5h "ON", 0.5h"off" 70°C, 1000h
	100MΩ ≤ R<150GΩ :Within ±5%,No major visible damage	100GΩ ≤ R<150GΩ :Within ±20%	
Capacity.	1.0 pF or less	1.0 pF or less	Measuring voltage:1V,Measuring frequency: 10K, 100K, 1MHz