

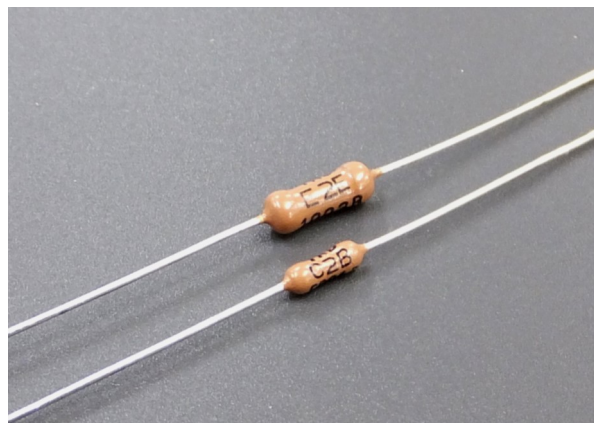
Correctohm-RN14 Series

RESISTOR

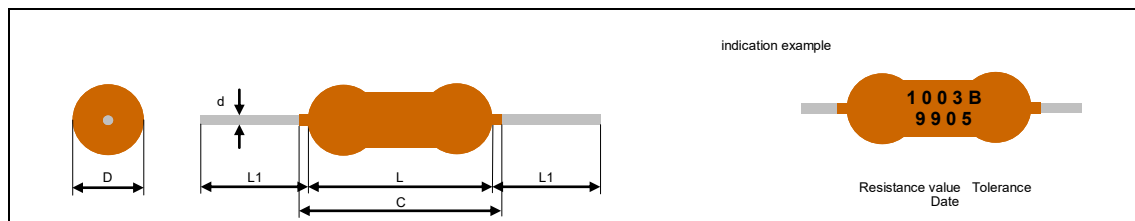
Metal Film Resistor

High precision & Low T.C.R

Coating insulation



Dimensions



Dimensions [mm]

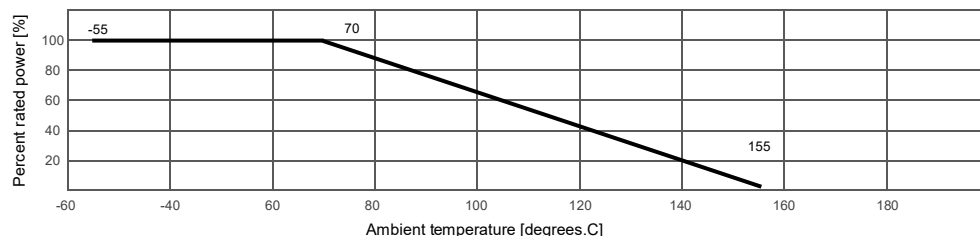
Product type	D	L	d	L1	C
RN14 2B	2.3±0.2	6.3±0.5	0.6±0.05	27±2	7.5 or less
RN14 2E	3.6±0.5	9.0±0.5	0.6±0.05	27±2	10.5 or less

Materials

Insulation coating	epoxy resin
Resistive film	Ni-Cr type
Lead wire	annealed copper wire
Core	ceramic

Rating

Product type	Rated power [W] 70 degs.C	Highest usable voltage [V]	Extreme highest overload voltage [V]	Applicable temperature range [degs.C]
RN14 2B	0.25	250	500	-55~155 [degs.C]
RN14 2E	0.5	350	700	



Model number

<u>RN14</u>	<u>E</u>	<u>2E</u>	<u>10kohm</u>	<u>B</u>
Product type	Temperature coefficient of resistance	Rated power	Resistance value	Resistance tolerance

Temperature coefficient of resistance

Symbol	R	S	E	C
T.C.R [ppm/degs.C]	±5	±10	±25	±50

* The guarantee temperature range of T.C.R is 0~70 degs.C about R, S.

Resistance tolerance

Symbol	B	C	D	F
Tolerance [%]	±0.1	±0.25	±0.5	±1

Production resistance value range

Product type	Resistance tolerance	Production resistance value range [ohm]	
		Temperature coefficient of resistance	
		R, S	E, C
RN14 2B	B, C	49.9~129K	10.0~129K
	D, F	49.9~179K	10.0~179K
RN14 2E	B, C, D, F	49.9~250K	10.0~250K

General specifications

RN14	
Storage temp. range	-10 to +50 degrees C
Relative humidity	85%RH (No condensation)

Performance

Performance test contents		Performance of Correctohm-RN14		JIS C 5202
Electric	Resistance value	Rate value		5.1
	T.C.R	Rate value		5.2
	Overload (short time)	±(0.25%+0.05ohm)		5.5
	Insulation resistance	10,000Mohm Min.		5.6
	Voltage proof	±(0.1%+0.05ohm)		5.7
Mechanic	Overload (intermittent)	±(0.25%+0.05ohm)		5.8
	Terminal strength	±(0.25%+0.05ohm)		6.1
	Vibration resistance	±(0.25%+0.05ohm)		6.3
	Solder dip resistance	±(0.25%+0.05ohm)		6.4
	Solderability	95% Min.		6.5
	Solvent resistance	Appearance not having a problem.		6.9
Weatherability	Low temperature test	±(0.25%+0.05ohm)		-
	Temperature cycling test	±(0.25%+0.05ohm)		7.4
	Humidity resistance	±(1.0%+0.05ohm)		7.9
	Rated load	±(0.5%+0.05ohm)		7.10

Note

* Use to the apparatus which may cause an in-vehicle apparatus (including the train), medical equipment, an aviation apparatus, an apparatus about human life including the ship apparatus and the serious damage; when is done, please talk by all means.