

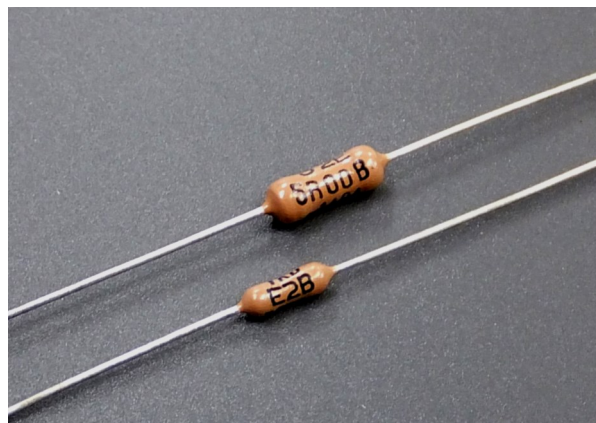
# Correctohm-PP14 Series

# RESISTOR

Metal Film Resistor

High precision & Low T.C.R

Coating insulation



## Model number

<b>PP14</b>	<b>S</b>	<b>2E</b>	<b>10ohm</b>	<b>B</b>
Product type	Temperature coefficient of resistance	Rated power	Resistance value	Resistance tolerance

## Temperature coefficient of resistance

Symbol	S	E
T.C.R [ppm/degs.C]	±10	±25

## Resistance tolerance

Symbol	B	C
Tolerance [%]	±0.1	±0.25

## Production resistance value range

Product type	Resistance tolerance	Production resistance value range [ohm]
		Temperature coefficient of resistance
PP14 2B	B, C	S, E
PP14 2E		5~50

## General specifications

PP14	
Storage temp. range	-10 to +50 degrees C
Relative humidity	85%RH (No condensation)

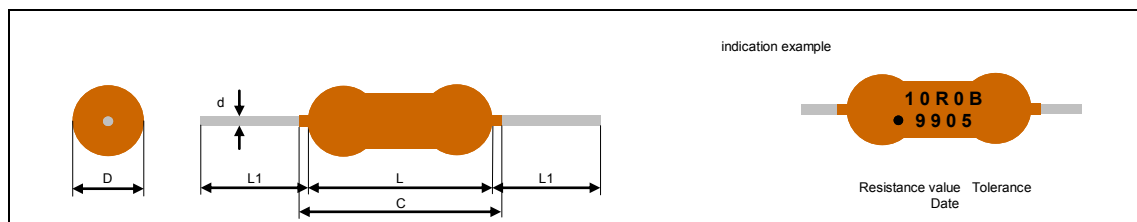
## Performance

Performance test contents		Performance of Correctohm-PP14	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
	Solder dip resistance	±(0.25%+0.05ohm)	6.4
	Solderability	95% Min.	6.5
Weatherability	Solvent resistance	Appearance not having a problem.	6.9
	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;

## Dimensions



## Dimensions [mm]

Product type	D	L	d	L1	C
PP14 2B	2.3±0.2	6.3±0.5	0.6±0.05	27±2	10.5 or less
PP14 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-P 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]
PP14 2B	0.25	5	12.5	-55~125 [degs.C]
PP14 2E	0.5	5	12.5	

