

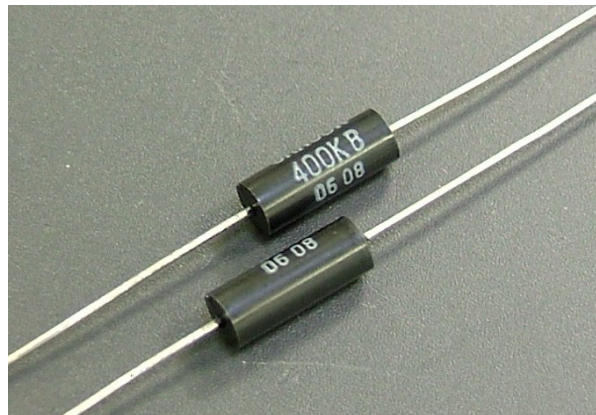
# Correctohm-SRN Series

# RESISTOR

Metal Film Resistor

Super precision & Low T.C.R

Molding insulation



Model number

**SRN 60 S 10kohm - A**

Product type    Rated power    Temperature coefficient of resistance    Resistance value    Resistance tolerance

Temperature coefficient of resistance

Symbol	R	S
T.C.R [ppm/degs.C]	±5	±10

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

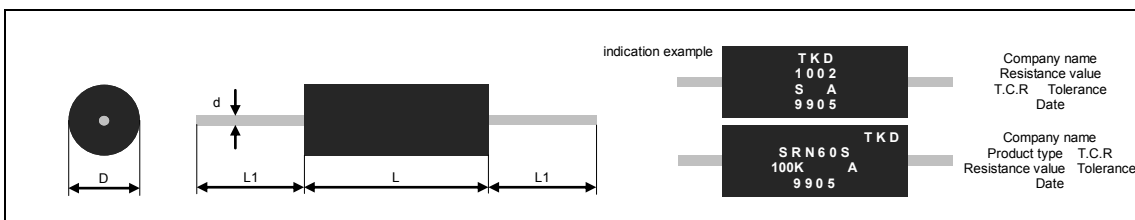
Resistance tolerance

Symbol	T	E	A
Tolerance [%]	±0.01	±0.025	±0.05

Production resistance value range

Product type	Resistance tolerance	Production resistance value range [ohm]	
		Temperature coefficient of resistance	
		R	S
SRN55	T, E, A	49.9~100K	49.9~100K
SRN60	T	49.9~200K	49.9~200K
	E, A		49.9~511K
SRN65	T	49.9~511K	49.9~511K
	E, A		49.9~1M
SRN70	T, E	49.9~1M	49.9~1M
	A		49.9~3.52M

Dimensions



Dimensions [mm]

Product type	D	L	d	L1
SRN55	3.4±0.2	6.6±0.5	0.6±0.05	38±3
SRN60	3.9±0.2	10.5±0.5	0.6±0.05	38±3
SRN65	5.3±0.3	16.0±0.5	0.6±0.05	38±3
SRN70	6.5±0.5	20.0±0.5	0.8±0.05	38±3

Materials

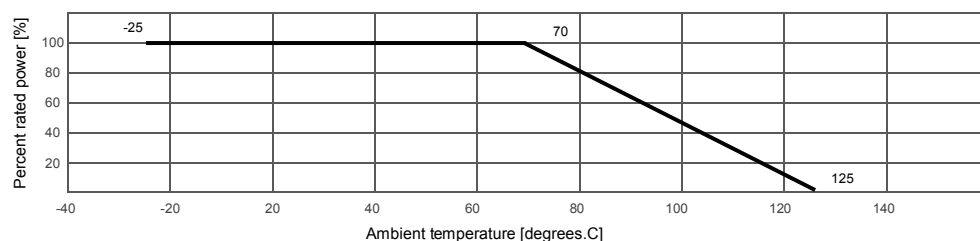
Insulation molding	epoxy resin
Resistive film	Ni-Cr type
Lead wire	annealed copper wire
Core	ceramic

General specifications

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

Rating

Product type	Rated power [W] 70 degs.C	Highest usable voltage [V] 70 degs.C	Extreme highest overload voltage [V]	Applicable temperature range [degs.C]
SRN55	0.1	200	400	-25~125 [degs.C]
SRN60	0.125	250	500	
SRN65	0.25	300	600	
SRN70	0.5	350	700	



Performance

Performance test contents		Performance of Correctohm-SRN		JIS C 5202
Electric	Resistance value	Rate value		5.1
	T.C.R	Rate value		5.2
	Overload (short time)	±(0.05%+0.01ohm)		5.5
	Insulation resistance	100,000Mohm Min.		5.6
Mechanic	Voltage proof	±(0.05%+0.01ohm)		5.7
	Terminal strength	±(0.02%+0.01ohm)		6.1
	Vibration resistance	±(0.05%+0.01ohm)		6.3
	Solder dip resistance	±(0.05%+0.01ohm)		6.4
	Solderability	95% Min.		6.5
Weatherability	Solvent resistance	Appearance not having a problem.		6.9
	Low temperature test	±(0.05%+0.01ohm)		-
	Temperature cycling test	±(0.05%+0.01ohm)		7.4
	Humidity resistance	±(0.2%+0.01ohm)		7.9
	Rated load	±(0.3%+0.01ohm)		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;