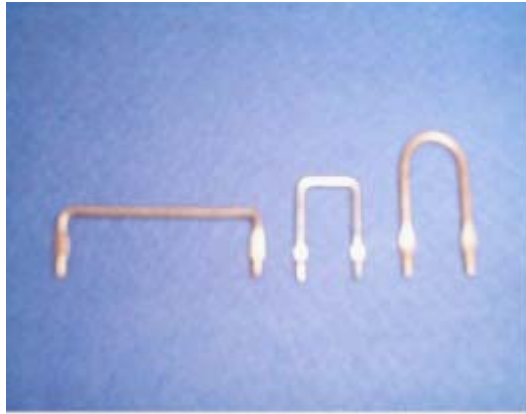


CSR CURRENT SENSING RESISTORS TECHNICAL INFORMATION



These simple, yet robust designs exhibit extremely low resistance (3 milliohms), which is suitable for high power current detection. Dimensions and pitch are both variable. These models are easy to solder. They are also non-inductive.

CSR SPECIFICATIONS AND OPTIONS

Model #	Resistivity (mohms/10mm)	Diameter (mm)	Maximum Current Rating (A)	Resistance Range (mohms)
CSR04	38.98	0.4	2.0	70-200
CSR05	24.95	0.5	2.5	50-150
CSR06	17.34	0.6	3.0	50-100
CSR07	12.74	0.7	4.0	30-70
CSR08	9.747	0.8	4.5	20-50
CSR09	7.702	0.9	5.0	20-40
CSR10	6.238	1.0	5.5	15-30
CSR11	5.157	1.1	6.0	15-20
CSR12	4.332	1.2	7.0	10-20
CSR13	3.693	1.3	7.5	10-20
CSR14	3.184	1.4	8.0	10-20
CSR15	2.773	1.5	9.0	10-20
CSR16	2.436	1.6	9.5	10-15
CSR18	1.925	1.7	11	5-10
CSR20	1.560	2.0	12	5-10
CSR23	1.180	2.3	14	3-5

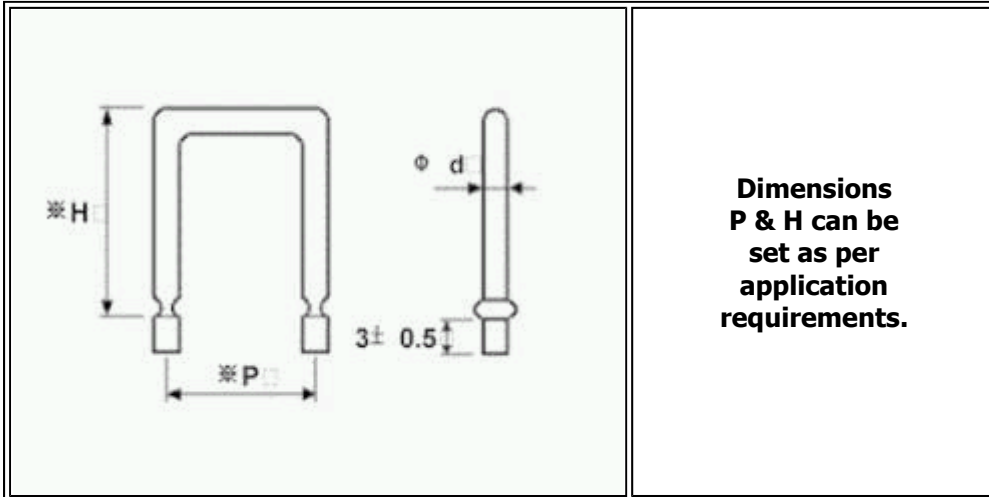
Note:

Resistance tolerance equals **+/-5%** for ohmic values greater or equal to 20mohms.

Resistance tolerance equals **+/-10%** for ohmic values less than 20mohms.

Rated ambient temperature: **70C**

DIMENSIONS



Dimensions P & H can be set as per application requirements.

CHARACTERISTICS

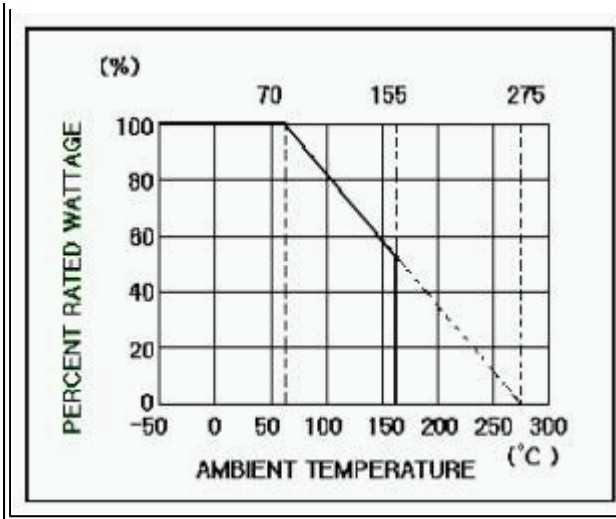
Values in [] mean change in resistance after test

Temperature Range	-40 degrees C to +155 degrees C
Temperature Coefficient	+/-100ppm/degrees C
Soldering Characteristics	235C +/- 5C, 5 sec.
Solder Heat Resistance	[+/-2%], 350C +/- 10C, 3 sec.
Moisture Resistance	[+/-3%], 40C, 95%RH, 1000h., no load
Moisture Load Life	[+/-3%], 40C, 95%RH, 0.1X wattage rating, 1.5 hours on, 0.5 off cycle
Load Life	[+/-5%], wattage rating, 1.5 hours on, 0.5 off

DERATING CURVE



FOR RESISTORS



**OPERATED IN
TEMPERATURES OVER
70C, POWER RATING
SHALL
BE DERATED AS PER THE
FIGURE ON THE LEFT.**

ORDERING EXAMPLE

Model	Resistance	Tolerance	Terminal Pitch
CSR16	10 mohms	K(+/-10%)	10mm

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