

CSR CURRENT SENSING RESISTORS



FEATURES

These units exhibit an extremely low resistance (as low as 3mΩ), which make them suitable for high power current detection. A wide range of pitches and heights are available. All of the models in this range are custom-made, non-inductive and solder easily.

SPECIFICATIONS

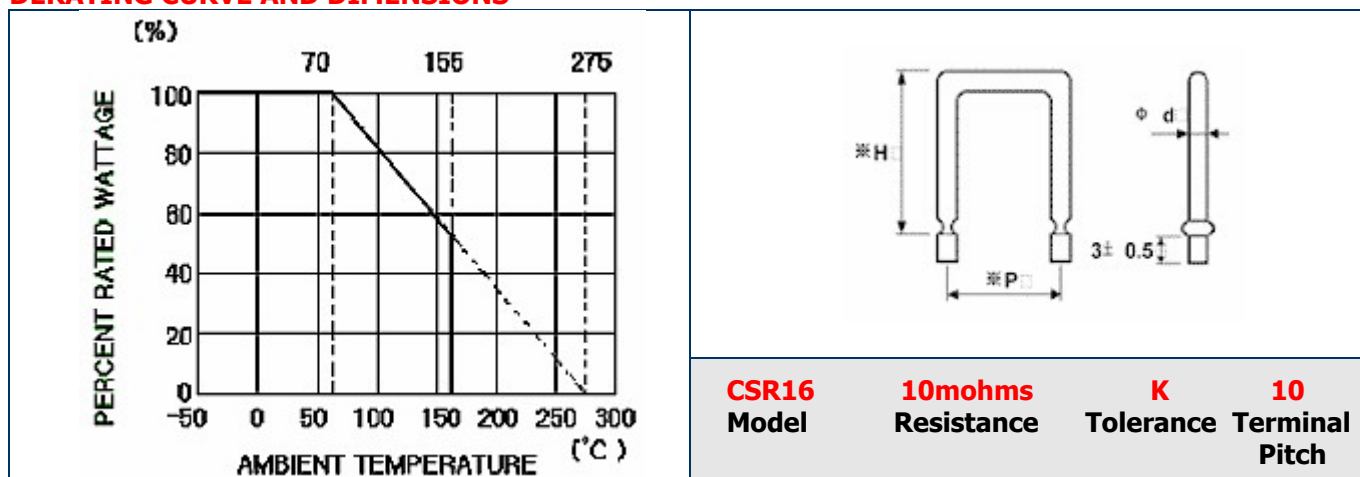
Model	Diameter [mm]	Max. Current Rating (A)	Resistance Range[mΩ]	Resistivity [mΩ/10mm]	Resistance Tolerance	Rated Ambient Temp.
CSR04	0.4	2.0	70 - 200	38.98	Greater than or equal to 20mΩ (+-5% J) Less than 20mΩ (+-10% K)	+70C
CSR05	0.5	2.5	50 - 150	24.95		
CSR06	0.6	3.0	50 - 100	17.34		
CSR07	0.7	4.0	30 - 70	12.74		
CSR08	0.8	5.0	20 - 50	9.747		
CSR09	0.9	5.0	20 - 40	7.702		
CSR10	1.0	5.5	15 - 30	6.238		
CSR11	1.1	6.0	15 - 20	5.157		
CSR12	1.2	7.0	10 - 20	4.332		
CSR13	1.3	7.5	10 - 20	3.693		
CSR14	1.4	8.0	10 - 20	3.184		
CSR15	1.5	9.0	10 - 20	2.773		
CSR16	1.6	9.5	10 - 15	2.436		
CSR18	1.8	11.0	5 - 10	1.925		
CSR20	2.0	12.0	5 - 10	1.560		
CSR23	2.3	14.0	3 - 5	1.180		

CHARACTERISTICS

Values in [] mean change in ohms after test

Temperature Range		40C to +155C
Temp. Coefficient	Room temp.: 25C, Measuring temp.: 125C	+ -100ppm/C
Resistance to soldering heat	[+ -1%]	350C+ -10C, 3s
Soldering heat		235C+ -5C, 5s
Moisture resistance	[+ -2%]	40C, 90% to 95% RH, 1000hrs, No load
Moisture Load Life	[+ -2%]	40C, 95% RH, 0.1 X Wattage rating, 1.5hrs. on, 30minutes off, 1000hrs.
Load Life	[+ -2%]	Wattage rating, 1.5hrs. on, 30minutes off, 1000hrs.

DERATING CURVE AND DIMENSIONS



For resistors operated in ambient temperature over 70C, power rating shall be derated in accordance with the above figure.