

CSR 전류 센싱 저항기

Current Sensing Resistors

특징 FEATURES

The extremely low resistance(3mΩ) makes these resistors suitable for high power current detection. Various pitches and heights are available. These are all custom-made, non-inductive products exhibiting easy soldering.



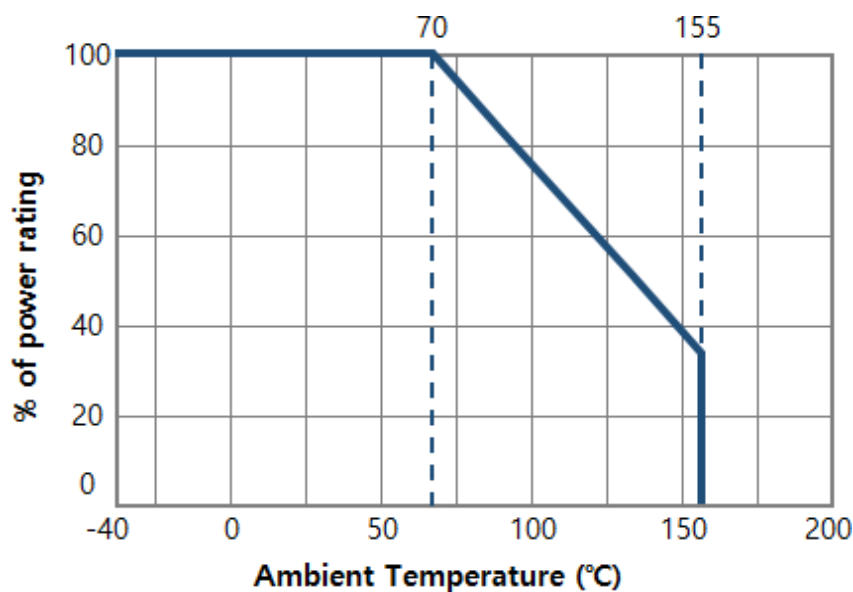
일반규격 GENERAL SPECIFICATIONS

Model	Φd (Diameter)	Max. Current Rating(A)	Resistance Range(mΩ)	Resistivity (mΩ/10mm)	Resistance Tolerance(%)	Rated Ambient Temp.
CSR 04	0.4	2.0	70 ~ 200	38.98	R≥20mΩ J[±5] R < 20mΩ K[±10]	+70℃
CSR 05	0.5	2.5	50 ~ 150	24.95		
CSR 06	0.6	3.0	50 ~ 100	17.34		
CSR 07	0.7	4.0	30 ~ 70	12.74		
CSR 08	0.8	5.5	20 ~ 50	9.747		
CSR 09	0.9	5.0	20 ~ 40	7.702		
CSR 10	1.0	5.5	15 ~ 30	6.238		
CSR 11	1.1	6.0	15 ~ 20	5.157		
CSR 12	1.2	7.0	10 ~ 20	4.332		
CSR 13	1.3	7.5	10 ~ 20	3.693		
CSR 14	1.4	8.0	10 ~ 20	3.184		
CSR 15	1.5	9.0	10 ~ 20	2.773		
CSR 16	1.6	9.5	10 ~ 15	2.436		
CSR 18	1.8	11.0	5 ~ 10	1.925		
CSR 20	2.0	12.0	5 ~ 10	1.560		

특성 CHARACTERISTICS

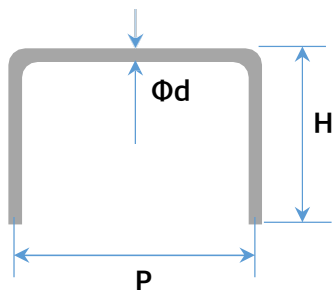
항목 ITEM	성능 Performance
1. Temperatures Range	-40℃ ~ +155℃
2. Temperature coefficient	9.0A ≥±100ppm/℃ maximum, 9.5A ≤±260ppm/℃ maximum
3. Short Time Overload	±[2.0%] 2.5× Power rating for 5 seconds
4. Moisture Resistance	±[2.0%] 40℃, 95%RH, 240hours
5. Heat Resistance	±[2.0%] 200℃ for 2huors
6. Solderability	90% Coverage minimum 260℃ for 5 seconds
7. Thermal Shock	±[2.0%] Power Rating 30minutes On, -40℃, 15minutes off
8. Load Life	±[5.0%] Power Rating, 1.5hours On, 30minutes off, 1000hours

■ 전력 경감곡선 POWER DERATING CURVE



■ 치 수 DIMENSIONS

※ P, H 치수는 당사와 상의해 주십시오.
※ Please consult with us about dimensions
'P' and 'H'



TYPE	FORM	TYPE	FORM
A		C	
B		D	
T		U	

■ 주문방법 HOW TO ORDER

Model	Type	Nominal Resistance	Resistance Tolerance	Terminal Pitch
CSR	T	10mΩ	K(±10%)	10mm