CLS Series

Current Sensing Chip Resistor

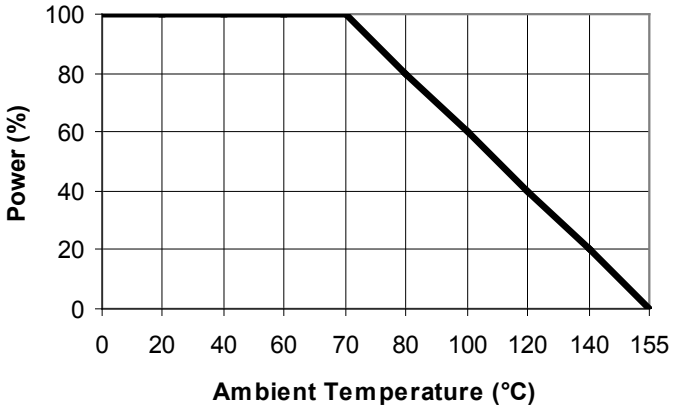


- **Resistances from 0.01 to 1Ohms**
- **Power Rating 0.06 to 1 Watt**
- **Resistance Tolerances to ± 1%**
- **TCR's to ±150 ppm/K**
- **Alumina Substrate for High Power Dissipation**
- **Sizes: 0402 / 0603 / 0805 / 1206 / 2010 / 2512**

SPECIFICATIONS

Type	CLS0402	CLS0603	CLS0805	CLS1206	CLS2010	CLS2512
Power Rating (W) at 70°C	0.0625	0.1	0.125	0.25	0.5	1.0
Resistance Range (Ω)	0.05 to 1.0	0.02 to 1.0		0.01 to 1.0		
Tolerances	1% / 2% / 5%					
Temperature Coefficient (depending on value)	±200 to ±400 ppm	±200 to ±600 ppm ±100 ppm upon request				
Operating Tem-peratur range	-55 to +155°C					
Dimensions (LxW) mm [inches]	1.00 x 0.50 [0.04 x 0.02]	1.60 x 0.80 [0.06 x 0.03]	2.00 x 1.25 [0.08 x 0.05]	3.10 x 1.55 [0.12 x 0.06]	5.00 x 2.50 [0.20 x 0.10]	6.30 x 3.10 [0.25 x 0.12]
Packaging (pcs) Tape and Reel	10,000	5,000			4,000	

Power Derating Curve



Ordering Information

Part Number - Resistance - Tolerance - TCR - Packaging
Example: CLS 2512 0.500Ohms 1%
(Note: if no TCR is specified: The highest value will be supplied)