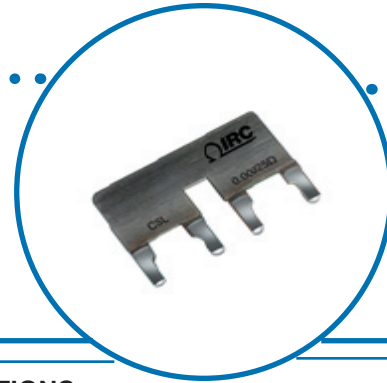


CSL SERIES Patent Pending



FOUR TERMINAL OPEN AIR LOW OHM CURRENT SENSE RESISTOR

- 4-Terminal Kelvin connections
- 5 watt max power
- 55 amp max current
- Down to 1% tolerance
- <55 ppm/°C TCR



FEATURES:

- Inductance less than 10 nanohenries
- Flameproof
- Solderable leads (60/40 plate)
- 55 amp continuous operating current
- Inline construction for easy board insertion
- Economical board space design
- Welded construction

APPLICATIONS:

- Current Sensing
- Feed Back
- Motor Control
- Surge/Pulse Applications

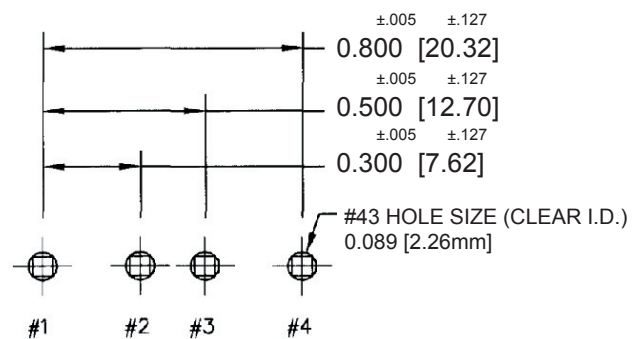
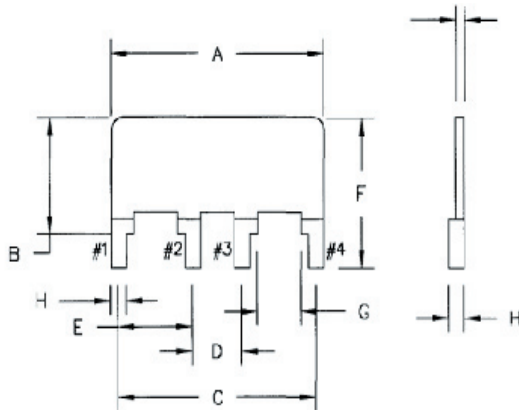
CSL SPECIFICATIONS:

IRC Type	Power/Current Rating (watts)	Standard Resistance Range (ohms)	Tolerance (±%)
CSL	5 watt max power 55 amps max current	0.00025 ohm - 0.0025 ohm	1%

DIMENSIONS Inches (mm):

ALL DIMENSIONS ±0.010 (0.254) UNLESS OTHERWISE STATED
DIMENSIONS C, D & E = ±0.005 (0.127).
DIMENSIONS A AND F REFERENCE ONLY.

RECOMMENDED PC BOARD FOOTPRINT AND ELECTRICAL CONNECTION



NOTE:
1.1mohm – 2.5mohm = 0.014 [0.356]
0.4mohm – 1.0mohm = 0.036 [0.914]
0.4mohm – 1.0mohm = 0.071 [1.80]

RECOMMENDED ELECTRICAL CONNECTION
TERMINALS 2 & 3 CURRENT TRACES
TERMINALS 1 & 4 SENSE TRACES

A	B	C	D	E	F	G	H
0.862 (21.9)	0.426 (10.8)	0.800 (20.3)	0.200 (5.1)	0.300 (7.6)	0.555 (14.01)	0.176 (4.5)	0.062 (1.57)

General Note

IRC reserves the right to make changes in product specification without notice or liability.
All information is subject to IRC's own data and is considered accurate at time of going to print.

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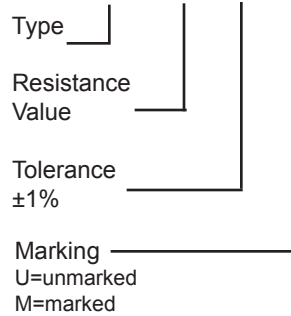


CSL Performance Characteristics:	
Test Spec: AEC Q200	
TCR +125 to -55°C	<55 ppm/°C
Thermal Shock	<1.5%
High Temp Exposure 1000 hours @ 125°C	<1.75%
Temp Cycling: -55 to 125°C 1000 cycles	<1.0%
Operational Life: 1000 hours @ 70°C	<1.0%
Moisture Resistance	<1.0%
Baised Humidity	<1.0%
Mechanical Shock	<1.0%
Vibration	<0.75%
Solder Heating	<1.0%
Solderability	Meets J-STD-002 Method A

How to Order:

Sample Part No.:

CSL R001 1% U



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