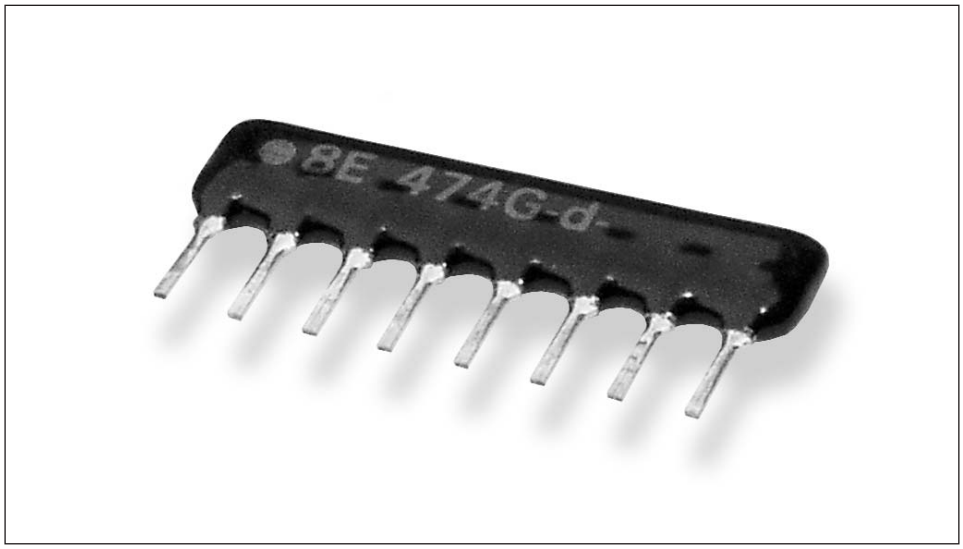
SIL Resistor Networks (Standard Packages)

Key Features

- 2% & 5% Tolerances
- Low Price Keeps Production Costs Down
- Solvent Proof Coating
- Very Wide Range
- Low Profile (5.08mm Max.)
- Very Strong Construction
- High Insulation Resistance



Fully automated production techniques, ensure this extensive range offers you consistently high standards of performance and reliability. TE Connectivity (TE) can meet all your demands with its range of 4 to 13 resistor elements in common format and 3 to 7 resistor elements in isolated types. The substrate and lead frame provide exceptional strength and the resistors are protected from humidity and thermal shock by a hardwearing, solvent proof black coating. TE Connectivity (TE) will also manufacture custom design networks for your special requirements. Please contact our Sales Action Desk for details.

Characteristics - Electrical

Resistance Range:	10R to 1M0 (E24 Values)
Resistance Tolerances:	5%, 2%
Maximum Operating Voltage:	100 Volts
Power Rating @ 70°C (Series):	0.125 Watts
(Parallel):	0.200 Watts

Characteristics - Environmental

		Test Method	
	Spec.	**JIS - C - 5202**	**MIL - R - 83401**
Operating Temperature:	-55° ~ +125°C		
Resistance Temp. Coefficient:	±200ppm/°C	5.2 (B)	6.4.8
Short Time Overload:	±1.0%	5.5	4.6.10
Temperature Cycle:	±0.5%	7.4 (-55°C ~ 125°C)	4.6.3
Load Life:	±2.0%	7.10 (1000 hr.)	4.6.18(70°C 1000hr)
Moisture-Proof Load Life:	±2.0%	7.9 (1000 hr.)	
Moisture Resistance:	±1.0%		4.6.15
High Temperature Exposure:	±1.0%		4.6.19
Solderability:	95% coverage min.	6.5 (235°C/2s)	4.6.6
Solder Pot:	±0.5%	6.4 (260°C/10s)	4.6.14
Terminal Strength:	±0.5%	6.1 (1) 1kg/10s)	4.6.11

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are standard equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

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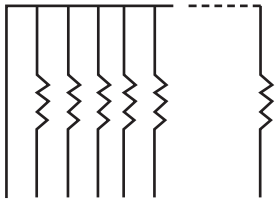
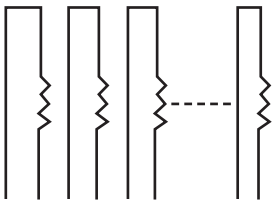
Circuit Configuration

Please Note: Common Terminal Devices (configuration E) are marked A on the body of the resistor. Isolated Terminal Devices (configuration M) are marked either B or C on the body of the resistor.

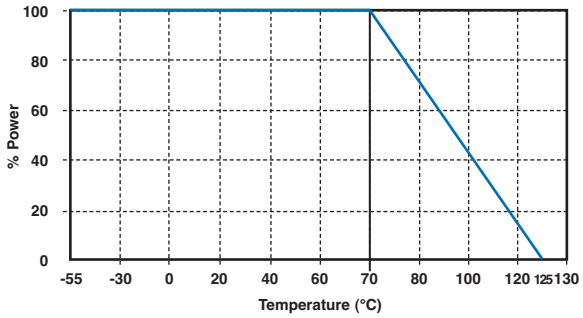
E. Common Terminal



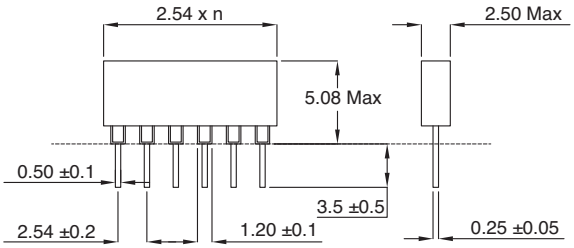
M. Isolated Terminal



Power Derating Curve



Dimensions



n = number of pins

How to Order

SIL	08	E	472	J
Common Part	**No. of Pins**	**Circuit Config.**	**Resistance Value**	**Tolerance**
SIL	04 - 4 Pins 05 - 5 Pins 06 - 6 Pins 07 - 7 Pins 08 - 8 Pins 09 - 9 Pins 10 - 10 Pins 11 - 11 Pins 12 - 12 Pins 13 - 13 Pins 14 - 14 Pins	E - Common Terminals M - Isolated Terminals	The first two digits are significant figures of resistance value and the third denotes the number of zeros following. e.g. 220R: 221 4K7: 472 51K: 513 470K: 474	J - 5% G - 2%

Mouser Electronics

Authorized Distributor

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TE Connectivity:

SIL07E103J