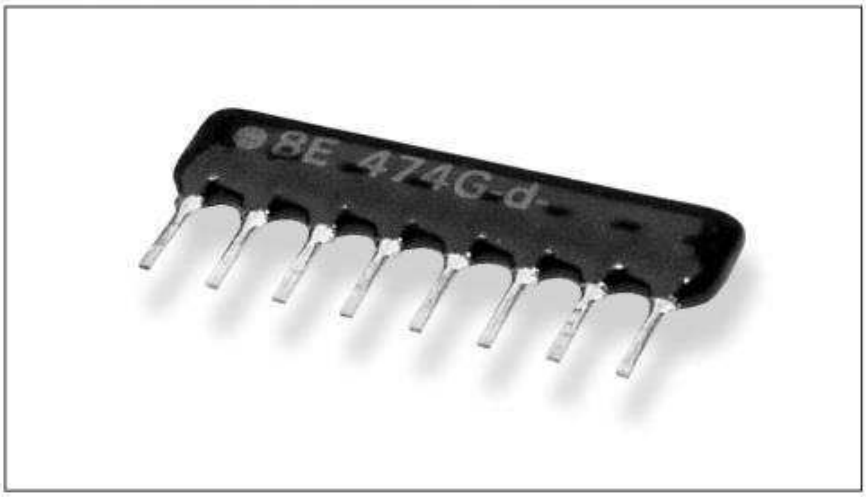
SIL Resistor Networks (Standard Packages)

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



PRODUCT PLANNED FOR EOL

LTB 18/08/2023

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

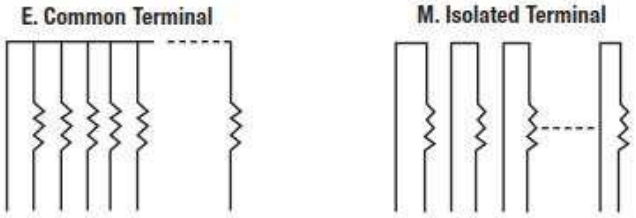
Resistance Range:	10R to 1M0 (E24 Values)
Resistance Tolerances:	5%, 2%
Maximum Operating Voltage:	100 Volts
Power Rating @ 70°C (Series):	0.125 Watts
(Parallel):	0.200 Watts

Characteristics - Environmental

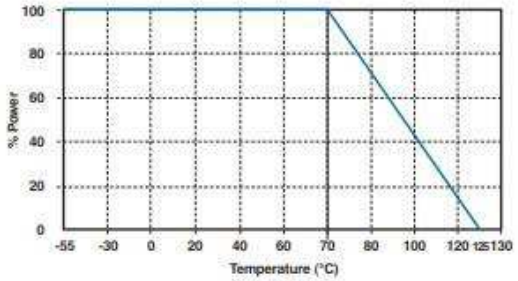
		Test Method	
	Spec.	JIS - C - 5202	MIL - R - 83401
Operating Temperature:	-55° – +125°C		
Resistance Temp. Coefficient:	±200ppm/°C	5.2 (B)	6.4.8
Short Time Overload:	±1.0%	5.5	4.6.10
Temperature Cycle:	±0.5%	7.4 (-55°C ~ 125°C)	4.6.3
Load Life:	±2.0%	7.10 (1000 hr.)	4.6.18(70°C 1000hr)
Moisture-Proof 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

Circuit Configuration

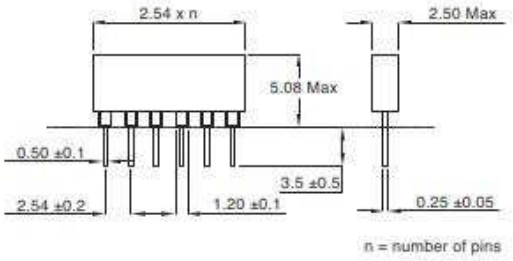
Please Note: Common Terminal Devices (configuration E) are marked A on the body of the resistor. Isolated Terminal Devices (configuration M) are marked either B or C on the body of the resistor.



Power Derating Curve



Dimensions



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%