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ELECTRONICS

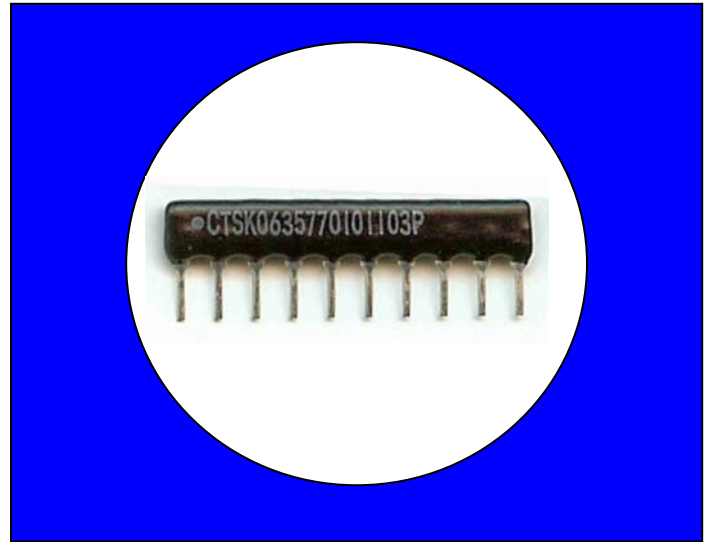
www.Jameco.com ♦ 1-800-831-4242

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Jameco Part Number 1180242

Features

- High-Reliability Cermet Resistors
- Space Saving Over Individual Resistors
- Available in Odd or Even Number of Pins From 4 to 12 Leads
- 2.54mm/.100 in. Pin Spacing
- Packaged in Bulk
- RoHS Compliant



Resistance Tolerance:

Standard: $\pm 2\%$ or 0.5Ω (whichever is greater)

Resistance Range:

Standard: 10Ω to $1\text{ Meg}\Omega$

Operating Temperature Range:

-55°C to $+125^\circ\text{C}$

Dielectric Strength:

100 VAC

Temperature Coefficient:

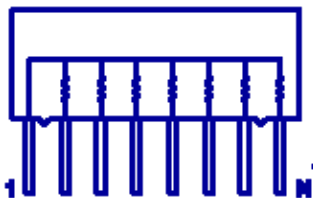
Standard: 100Ω to $1\text{ Meg}\Omega$
 $100\text{PPM}/^\circ\text{C}$ typical
 22Ω to 99Ω
 $\pm 200\text{PPM}/^\circ\text{C}$ typical

Maximum Operating Voltage:

100V not to exceed rated power

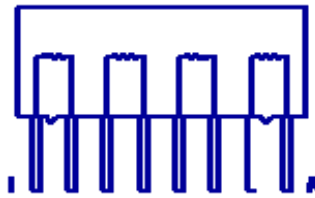
Types of Circuits

Bussed (Schematic 1)



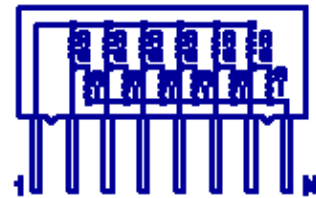
Bussed Schematic 1
 Available in 4 through 12 Pins

Isolated (Schematic 3)



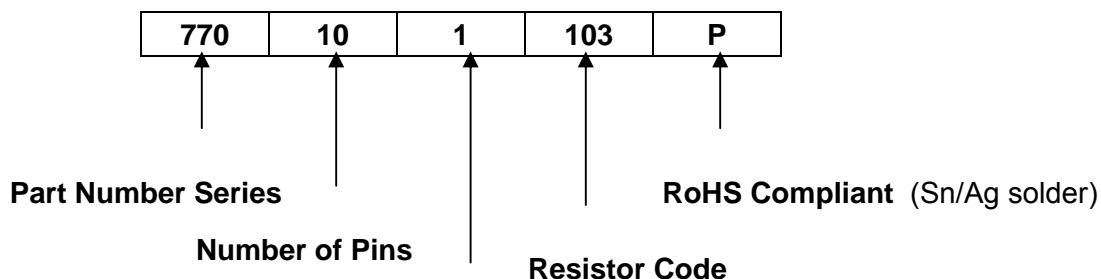
Isolated Schematic 3
 Available in 4, 6, 8, 10, 12 Pins

Dual Terminator (Schematic 5)



Isolated CTS Schematic 5
 Available in 6, 8, 10 Pins

How to Order



NOTE: No dashes or spaces to appear in part number.
Example: 770101103P

Schematic

- | | |
|---|-----------------|
| 1 | Bussed |
| 3 | Isolated |
| 5 | Dual Terminator |

Refer to the EIA Code Noted on Page 2.
Resistor Code Schematics 1 & 3
Resistor Value Schematic 5
Example 220/330 = 220Ω/330Ω
All part numbers are ±2%

Packaging

Bulk Pack All Products 250 Parts/Bag

Environmental Performance Specifications

Test	Max. % Delta R	Mil. Std. 202 Method	Test Cond.	Test Description
Thermal Cycling	0.5%	107	B	5 cycles, -65°C to +125°C
Short Time Overload	0.5%			2 1/2 x rated voltage, 5 sec (100V Max.)
Moisture Resistance	0.5%	106		240 hours, 0.1 rated load, -10°C to +65°C, 90% RH
Load Humidity	1.0%			1000 hours, 0.1 rated load, 70°C, 85-92% RH
High Temp Exposure	1.0%			240 hours, no load, @ 125°C
Load Life	1.0%	108	D	1000 hours @ 70°C rated load
Resistance to Solder Heat	0.25%		A	3 second dwell @ 350°C, dwell
Mechanical Shock	0.25%	213	I	100g, 1 msec., 3 shocks each plane
Vibration	0.25%	204	D	20g, 10-2000Hz, 4 hours/plane
Terminal Strength	0.25%			2.0 Kg. pull, 30 sec., three 45° bends
Low Temp Storage	0.25%			24 hours @ -65°C, no load
Low Temp Operation	0.25%			45 min @ -65°C, full load
Flammability	N/A			94V-0
Non-Fungus per MIL-STD 810C				
Resistance to Solvents				Isopropyl alcohol
Solderability				RMA Flux, 230°C, 5 seconds dip, 95% coverage