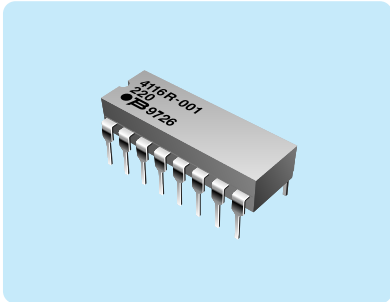


BOURNS type 4100R series

A comprehensive series of thick film resistor networks housed in 14 or 16 pin moulded dual in-line packages. Available in a range of values from 10Ω to 1MΩ with a choice of circuit configurations. Offering between 7 and 28 resistors per package, the components are fully compatible with automatic insertion equipment and have an operating temperature range of -55°C to 125°C.



- ◆ Moulded 14/16 pin **dual in-line** packages
- ◆ 7 to 28 resistors
- ◆ Resistance values from 10Ω to 1MΩ
- ◆ **Isolated, commoned & dual terminator** options
- ◆ Automatic insertion equipment compatible
- ◆ High package integrity

Specification

Electrical Characteristics

Resistance range	10Ω to 1MΩ
Resistance tolerance	
<56Ω	±1%
≥56Ω	±2%
Max. operating voltage	100V
Power rating/package at 70°C	
14 pin	2W
16 pin	2.25W
Power rating/resistor at 70°C	
isolated (circuit 1)	0.25W
commoned (circuit 2)	0.125W
dual terminator (circuit 3)	0.125W
Temperature coefficient of resistance	
<56Ω	±250ppm/°C
≥56Ω	±100ppm/°C
TCR tracking	50ppm/°C max; equal values
Operating temperature range	-55°C to +125°C
Insulation resistance	10,000MΩ min.
Dielectric withstand voltage	200Vrms

Environmental Characteristics

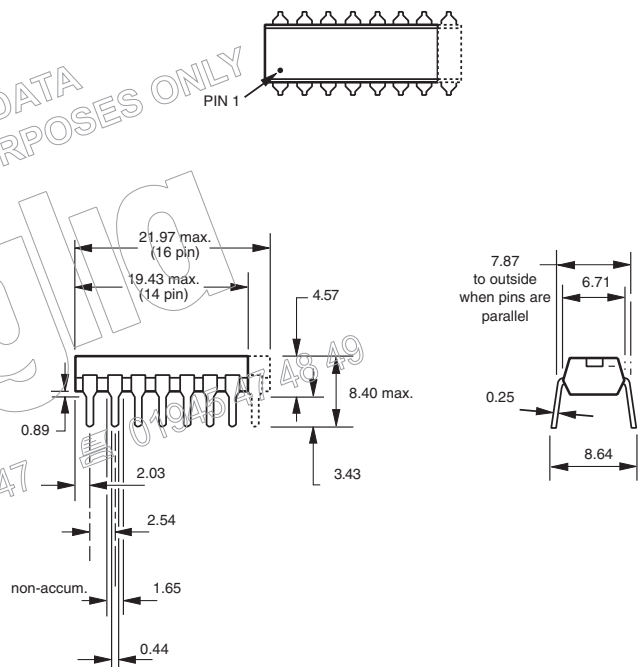
Tests per MIL-STD-202 (ΔR max.)

short time overload	±0.25%
load life	±1%
moisture resistance	±0.5%
soldering heat resistance	±0.25%
terminal strength	±0.25%
thermal shock	±0.25%

Physical Characteristics

Lead solderability	Meets MIL-STD-202 method 208
Flammability	Meets UL94V-0

Dimensions (mm)



• Other values and circuit configurations available

Please contact our Sales Desk for details



For the very latest information and news on the full range of BOURNS products available from Anglia, visit our website :

www.anglia.com/bourns

Alternatively, contact our Sales Desk to discuss your specific requirements.

BOURNS type 4100R series

Value Ω	 Isolated Resistors (Circuit 001)*		 Commoned Resistors (Circuit 002)*		 Dual Terminator (Circuit 003)*	
	Manf. Part No. & Anglia Order Code					
	14 Pin	16 Pin	14 Pin	16 Pin	14 Pin	16 Pin
10R	—	4116R-001-100	—	—	—	—
22R	4114R-001-220	4116R-001-220	—	4116R-002-220	—	—
27R	—	4116R-001-270	—	4116R-002-270	—	—
33R	—	4116R-001-330	—	4116R-002-330	—	—
39R	—	4116R-001-390	—	4116R-002-390	—	—
47R	4114R-001-470	4116R-001-470	—	4116R-002-470	—	—
56R	—	4116R-001-560	—	—	—	—
68R	4114R-001-680	4116R-001-680	—	4116R-002-680	—	—
75R	—	4116R-001-750	—	—	—	—
82R	—	4116R-001-820	—	—	—	—
100R	4114R-001-101	4116R-001-101	—	4116R-002-101	—	—
120R	—	4116R-001-121	—	—	—	—
150R	4114R-001-151	4116R-001-151	—	4116R-002-151	—	—
180R	—	4116R-001-181	—	—	—	—
220R	4114R-001-221	4116R-001-221	—	4116R-002-221	—	—
220R/330R	—	—	—	—	4114R-003-221/331	4116R-003-221/331
270R	4114R-001-271	4116R-001-271	—	—	—	—
330R	4114R-001-331	4116R-001-331	—	4116R-002-331	—	—
390R	4114R-001-391	4116R-001-391	—	—	—	—
470R	4114R-001-471	4116R-001-471	—	—	—	—
680R	4114R-001-681	4116R-001-681	—	4116R-002-681	—	—
1K0	4114R-001-102	4116R-001-102	4114R-002-102	4116R-002-102	—	—
1K2	—	4116R-001-122	—	—	—	—
1K5	4114R-001-152	4116R-001-152	—	—	—	—
1K8	—	4116R-001-182	—	—	—	—
2K0	—	4116R-001-202	—	—	—	—
2K2	4114R-001-222	4116R-001-222	4114R-002-222	4116R-002-222	—	—
2K7	—	4116R-001-272	—	4116R-002-272	—	—
3K3	4114R-001-332	4116R-001-332	—	4116R-002-332	—	—
4K7	4114R-001-472	4116R-001-472	4114R-002-472	4116R-002-472	—	—
5K6	—	4116R-001-562	—	—	—	—
6K8	—	4116R-001-682	—	4116R-002-682	—	—
10K	4114R-001-103	4116R-001-103	4114R-002-103	4116R-002-103	—	—
18K	—	4116R-001-183	—	—	—	—
22K	4114R-001-223	4116R-001-223	—	4116R-002-223	—	—
27K	—	4116R-001-273	—	4116R-002-273	—	—
33K	—	—	—	—	—	—
47K	4114R-001-473	4116R-001-473	4114R-002-473	4116R-002-473	—	—
100K	4114R-001-104	4116R-001-104	4114R-002-104	4116R-002-104	—	—
220K	4114R-001-224	4116R-001-224	—	—	—	—
470K	4114R-001-474	4116R-001-474	—	—	—	—
1M0	—	4116R-001-105	—	4116R-002-105	—	—
No. of Resistors	7	8	13	15	24	28

*16 pin package circuit diagram shown