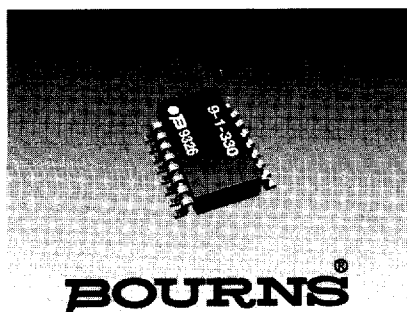




SURFACE MOUNTED RESISTOR NETWORK NARROW BODY (3.9MM WIDE)

- Compatible with automatic placement equipment
- Tape and reel packaging standard
- Reduced board real estate requirements
- Competitive with leadless networks
- Competitive power handling capabilities

Model 4900P

® Resistor Networks

AVAILABLE 4Q 93

Electrical Characteristics

Resistance Range 22 ohms to 2.2 megohms
 Circuit Configuration Isolated and bussed only
 Maximum Operating Voltage 50V
 Resistance Tolerance
 ≥ 50 ohms - 2 megohms 2.2 megohms ± 2%
 < 50 ohms ± 1 ohm
 Temperature Coefficient of Resistance
 > 50 ohms - 1 megohm ±100ppm/°C
 ≤ 50 ohms, > 1 megohm ±250ppm/°C
 Voltage Coefficient TBD
 TCR Tracking TBD
 Operating Temperature -55°C - +125°C
 Storage Temperature -65°C - +125°C

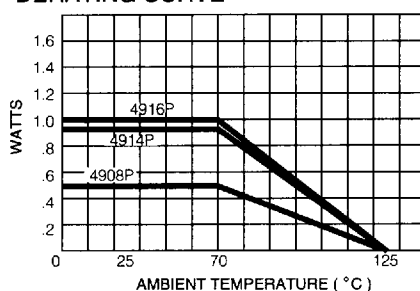
Environmental Characteristics**

Load Life ΔR MAX. ±1.00%
 Mechanical Shock TBD
 Moisture Resistance ±0.50%
 Resistance to Soldering Heat ±0.25%
 Thermal Shock ±1.00% (100 cycles)
 Insulation Resistance 10,000 megohms min.
 Vibration 0.25%
 Solderability Coverage >95%
 Dielectric Withstanding Voltage 200 VRMS

Physical Characteristics

Lead Spacing 0.050" (.127mm)
 Lead Frame Material Copper
 Body Material Novolac Epoxy

PACKAGE POWER TEMPERATURE DERATING CURVE



Package Power Rating at 70°C

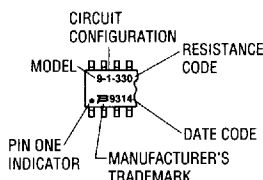
4908P 0.500 watts
 4914P 0.875 watts
 4916P 1.000 watts

Power Rating Per Resistor

001 Circuit at 70°C 0.125 watts
 002 Circuit at 70°C 0.080 watts

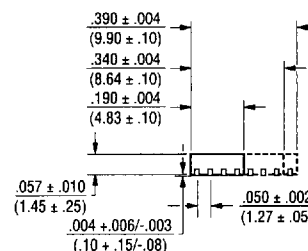
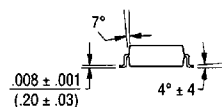
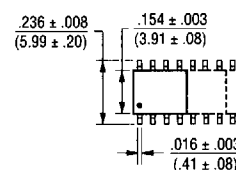
TYPICAL PART MARKING

Represents total content. Layout may vary.



Model	Std. Qty Per Reel	Carrier Tape Width	Pocket Center	Reel Dia.
4908P	2,500	12mm	8mm	330mm
4914P	2,500	12mm	8mm	330mm
4916P	2,500	16mm	8mm	330mm

4900P



HOW TO ORDER

49 16 P - 001 - 103

Model
(49 = SOGN Pkg)

Number of Pins

Electrical Configuration

- 001 = Isolated
- 002 = Bussed

Resistance Code

- First 2 digits are significant
- Third digit represents the number of zeros to follow.

- Compatible with laptop computer and small hand-held devices
- Standard SOIC package and land pattern

Model 4900P

® Resistor Networks

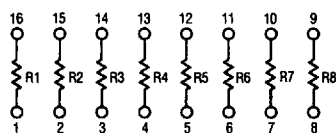
ISOLATED RESISTORS

(001 CIRCUITS)

Model 4908P-001

Model 4914P-001

Model 4916P-001 (Shown)



Resistance Tolerance

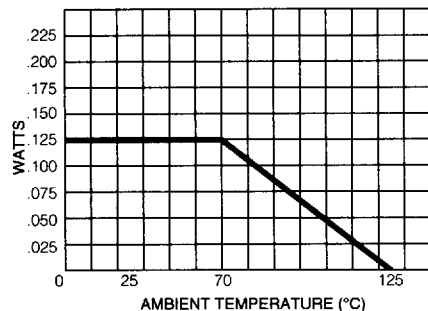
22 ohms to 49 ohms ± 1 ohm

50 ohms to 2.2 megohms $\pm 2\%$

Power Rating per Resistor

001 Circuit at 70°C 0.125 watt

RESISTOR POWER TEMPERATURE DERATING CURVE



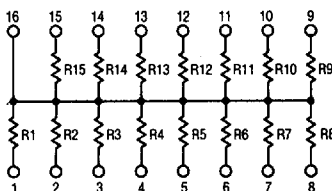
BUSSED RESISTORS

(002 CIRCUIT)

Model 4908P-002

Model 4914P-002

Model 4916P-002 (Shown)



Resistance Tolerance

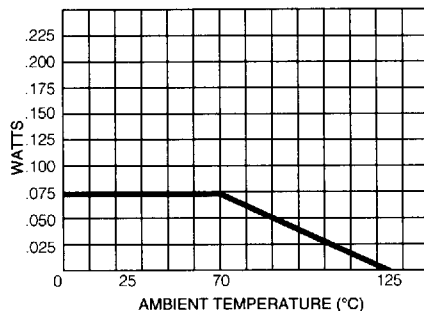
22 ohms to 49 ohms ± 1 ohm

50 ohms to 2.2 megohms $\pm 2\%$

Power Rating per Resistor

002 Circuit at 70°C 0.080 watt

RESISTOR POWER TEMPERATURE DERATING CURVE



RESISTANCE VALUES (001 and 002 CIRCUITS)**

Ohms	Code	Ohms	Code	Ohms	Code	Ohms	Code	Ohms	Code
22	220	180	181	1,800	182	15,000	153	120,000	124
27	270	220	221	2,000	202	18,000	183	150,000	154
33	330	270	271	2,200	222	20,000	203	180,000	184
39	390	330	331	2,700	272	22,000	223	220,000	224
47	470	390	391	3,300	332	27,000	273	270,000	274
56	560	470	471	3,900	392	33,000	333	330,000	334
68	680	560	561	4,700	472	39,000	393	390,000	394
82	820	680	681	5,600	562	47,000	473	470,000	474
100	101	820	821	6,800	682	56,000	563	560,000	564
120	121	1,000	102	8,200	822	68,000	683	680,000	684
150	151	1,200	122	10,000	103	82,000	823	820,000	824
		1,500	152	12,000	123	100,000	104	1,000,000	105

Specifications are subject to change without notice.

* $\pm 1\%$ Tolerance is available by adding suffix code "F" after the resistance code.

** Non-standard values available, within resistance range.