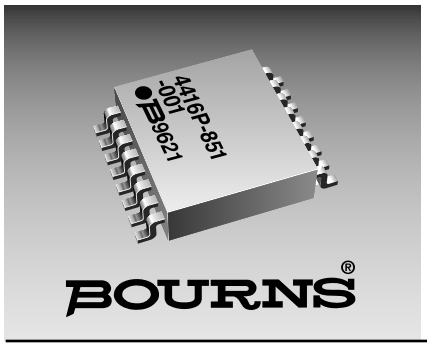


ASIC COMPANION NETWORK MOLDED WIDE BODY SOIC .295” WIDE, WITH .050” LEAD PITCH - 16 PIN

- Used in conjunction with linear technology LTC1430 P6 VRM
- Compliant leads for thermal expansion
- Miniaturized circuitry and packaging for space reduction

Model 4416P-851-001

Bourns® Resistor Network SOIC

Electrical Characteristics

Resistance.....SEE BELOW
Ratio Tolerance .....25% ±2%
Temperature Coefficient
..... ±100ppm/°C
TCR Tracking .....±150ppm/°C
Temperature Range
.....-55°C to +125°C
Maximum Operating Voltage
.....50VDC/or √ PR
Insulation Resistance.....10,000 MΩ

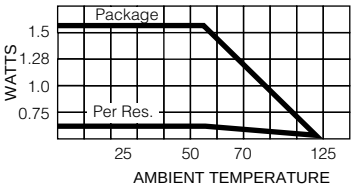
Product Reliability

	ΔR MAX.
Thermal Shock	±0.25%
Power Condition	±0.50%
Vibration	±0.25%
Low Temperature Storage	±0.25%
High Temperature Exposure	±0.50%
Low Temperature Operation	±0.25%
Load Life	±1.0%
Moisture Resistance	±0.5%
Resistance to Soldering Heat	±0.25%
Short Time Overload	±0.25%

Physical Characteristics

Lead Material .....Copper, solder coated
Body Material .....Molded epoxy
Std. Packaging .....Tape & reel

PACKAGE POWER TEMPERATURE DERATING CURVE



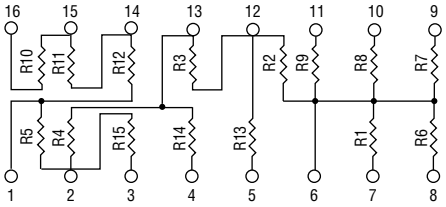
Package Power Ratings at 70°C

16 Pin.....1.6 watts Max.

Power Per Resistor at 70°C

..... .160 watts Max.

SCHEMATIC

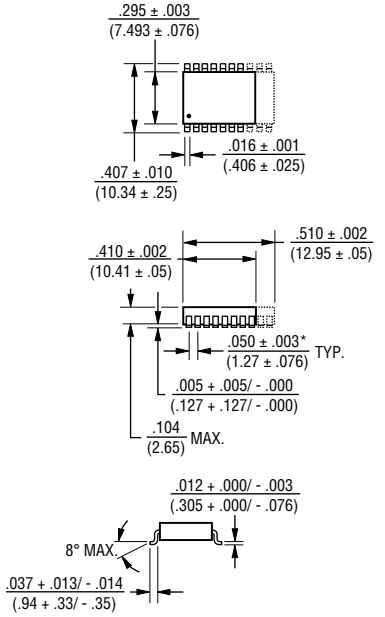


Values:

R1 - 17.6K	R10 - 1K
R2 - 14.2K	R11 - 33K
R3 - 2.11K	R12 - 33K
R4 - 973	R13 - 47K
R5 - 13.01K	R14 - 47K
R6 - 27.7K	R15 - 47K
R7 - 55.6K	
R8 - 11.26K	
R9 - 222.58K	

DIMENSIONS

4420P

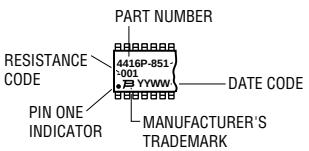


Governing dimensions are in inches. Dimensions in parentheses are metric (mm) and are approximate.

*Terminal centerline to centerline measurements made at point of emergence of the lead from the body.

TYPICAL PART MARKING

Represents total content. Layout may vary.



BOURNS INC

INTEGRATED TECHNOLOGIES DIVISION
NETWORKS PRODUCTS

1400 North 1000 West
Logan, UT 84321
(801) 750-7200, FAX: (801) 750-7253