

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

- Used in conjunction with linear technology LTC1430P6VRM
- Compliant leads for thermal expansion
- Miniaturized circuitry and packaging for spacer reduction

Model 4416P-851-001

B® Resistor Network SOIC

Electrical Characteristics

Resistance.....SEE BELOW
 Ratio Tolerance25%±2%
 Temperature Coefficient
 ±100ppm/°C
 TCR Tracking±150ppm/°C
 Temperature Range
-55°C to +125°C
 Maximum Operating Voltage
50VDC/or√ PR
 Insulation Resistance.....10,000MΩ

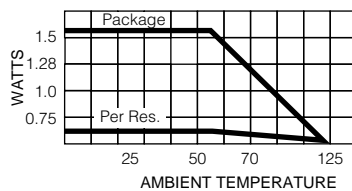
Product Reliability

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 MaterialCopper, solder coated
 Body MaterialMolded epoxy
 Std. PackagingTape & reel

PACKAGE POWER TEMPERATURE DERATING CURVE



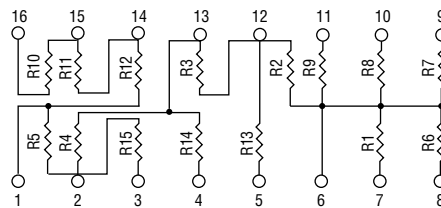
Package Power Ratings at 70°C

16 Pin1.6wattsMax.

Power Per Resistor at 70°C

.....160wattsMax.

SCHEMATIC

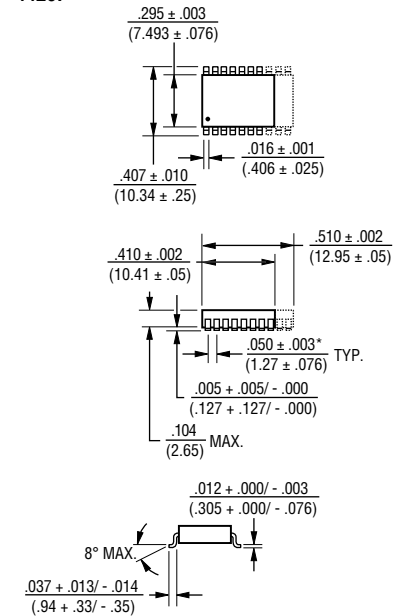


Values:

- | | |
|--------------|-----------|
| 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

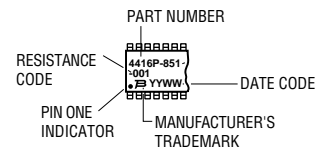


Governing dimensions are in inches. Dimensions in parentheses are metric (mm) and are approximate.

* 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.



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 NETWORKS PRODUCTS

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