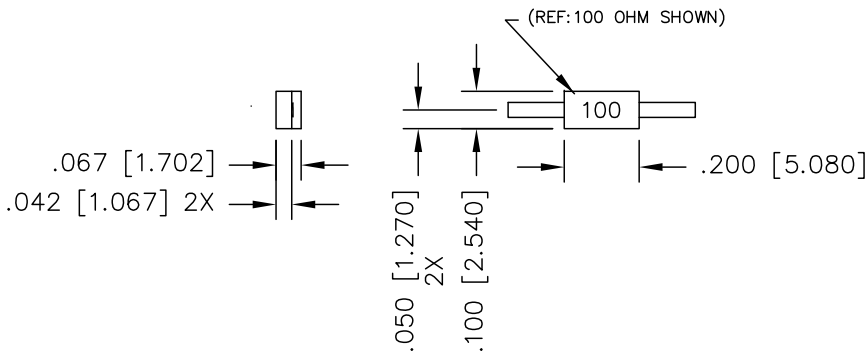


UNAUTHORIZED USE OF THIS DRAWING IS STRICTLY PROHIBITED



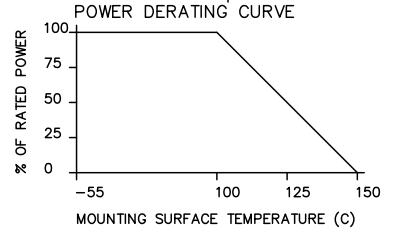
| DAR  | REV | DESCRIPTION                     | APPVD | DATE  |
|------|-----|---------------------------------|-------|-------|
| 1053 | A   | INITIAL RELEASE                 | TJD   | 1-06  |
| 1075 | B   | CHANGE LEAD WIDTH               | TJD   | 3-06  |
| 1095 | C   | ADD POWER DERATING CURVE        | TJD   | 4-06  |
| 1146 | D   | ADD 25, 75, & 120 OHM VALUES    | TJD   | 6-06  |
| 1416 | E   | ADD 6 OHM VALUE                 | DG    | 3-08  |
| 1521 | F   | ADD 150 OHM VALUE               | DG    | 9-08  |
| 1544 | G   | CHANGE LD HEIGHT & HEIGHT DIMS  | DG    | 9-08  |
| 1588 | H   | ADDED 430 AND 560 OHM VALUES    | DG    | 10-08 |
| 1909 | J   | ADDED 50-R5L AND 100-R5L VALUES | DG    | 6-09  |
| 2035 | K   | SEE DAR                         | DG    | 9-09  |

NOTES

- LEAD MATERIAL:  
99.99% PURE SILVER  
.040 [1.016] WIDE x .005 [.127] THICK
- LEAD LENGTH: .150 [3.810] MIN.
- SUBSTRATE MATERIAL: BeO  
COVER MATERIAL: Al<sub>2</sub>O<sub>3</sub>
- DIMENSIONS: INCHES, [mm]
- BOTTOM SIDE METALIZATION:  
THICK FILM PLATINUM SILVER

ELECTRICAL SPECIFICATIONS

INPUT POWER: 30 WATT  
FREQUENCY: DC - 3.0 GHZ.  
CAPACITANCE: .75 pF



| PART NO.          | VALUE    | TOLERANCE |
|-------------------|----------|-----------|
| IPP-RB101-6       | 6 OHMS   | +/- 5%    |
| IPP-RB101-25      | 25 OHMS  | +/- 5%    |
| IPP-RB101-50      | 50 OHMS  | +/- 5%    |
| IPP-RB101-75      | 75 OHMS  | +/- 5%    |
| IPP-RB101-100     | 100 OHMS | +/- 5%    |
| IPP-RB101-120     | 120 OHMS | +/- 5%    |
| IPP-RB101-150     | 150 OHMS | +/- 5%    |
| IPP-RB101-200     | 200 OHMS | +/- 5%    |
| IPP-RB101-300     | 300 OHMS | +/- 5%    |
| IPP-RB101-430     | 430 OHMS | +/- 5%    |
| IPP-RB101-560     | 560 OHMS | +/- 5%    |
| IPP-RB101-50-R5L  | 50 OHMS  | +/- 5%    |
| IPP-RB101-100-R5L | 100 OHMS | +/- 5%    |

.500 [12.700] MIN. LEAD LENGTH  
.500 [12.700] MIN. LEAD LENGTH

|           |                                     |                  |     |       |      |                               |     |               |      |   |
|-----------|-------------------------------------|------------------|-----|-------|------|-------------------------------|-----|---------------|------|---|
| MATERIAL  | [3]                                 | DWN              | DG  | DATE  | 1/06 |                               |     |               |      |   |
| FINISH    | [5]                                 | ENG              | TJD | DATE  | 1/06 |                               |     |               |      |   |
| TOLERANCE |                                     | MANUF            | TP  | DATE  | 1/06 | TITLE                         |     |               |      |   |
|           |                                     | CAGE CODE: 437R2 |     |       |      | RESISTOR, 30 WATT, FLANGELESS |     |               |      |   |
| IN [MM]   | .XX ±.02 [.50]<br>.XXX ±.010 [.254] | SHEET            | OF  | SCALE | 4:1  | SIZE                          | P/N | IPP-RB101-XXX | REV. | K |
|           |                                     | 1                | 1   |       |      | B                             |     |               |      |   |