



DOT DENOTES RF INPUT

NOTES:

1. MATERIAL: KOVAR PER MIL-I-23011, CLASS 1
2. FINISH: GOLD PLATE PER MIL-G-45204, TYPE III



THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF RH LABS AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEM(S) WITHOUT WRITTEN PERMISSION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON FINISH:RMS63
ANGLES:±1/2° FRACTIONS:±1/64
3 PLACE DECIMALS: ± .005
2 PLACE DECIMALS: ± .01
1 PLACE DECIMALS: ± .1
FILLETS: .005R MAX
REMOVE BURRS AND SHARP EDGES
TO .005 MAX. R OR CHAMFER

| | | | |
|-------|--------|---------|---------|
| DRAFT | R.A.J. | DATE | 8/27/02 |
| CHKD | | | |
| PROD | | | |
| ENGR | R.A.J. | 8/27/02 | |
| QA | | | |

| | | | |
|-------|-----------|--------------------|------------|
| TITLE | | ZERO BIAS DETECTOR | |
| SIZE | CAGE CODE | DWG NO | OD930-D102 |
| A | 1UJ73 | | |
| SCALE | 4:1 | SHEET 1 OF 1 | |

REVISIONS

| SYM | DESCRIPTION | DATE | APPROVED |
|-----|-------------|------|----------|
| | | | |
| | | | |

SPECIFICATIONS

| | |
|--|------------------|
| RF INPUT FREQUENCY (GHz): | 1.0 TO 18.0 GHz |
| OPEN CIRCUIT SENSITIVITY: | 1800 mV/mW MIN. |
| INPUT POWER RANGE: | TSS TO +10.0 dBm |
| OUTPUT VOLTAGE FLATNESS vs FREQUENCY: | ±1.2 dB |
| TSS: | -52 dBm MIN. |
| NOMINAL VIDEO CAPACITANCE: | 20 pF |
| MAX. CW RF INPUT: | +23 dBm |
| OPERATING TEMP. RANGE: | -55°C TO +125°C |
| STORAGE TEMP. RANGE: | -65°C TO +150°C |

SPECIFICATION NOTES:

1. SENSITIVITY MEASURED AT -20dBm, LOAD = 30K OHMS
2. OUPUT POLARITY IS NEGATIVE. FOR POSITIVE OUTPUT ADD "P" TO PART NUMBER.
3. TSS BASED ON 2 MHz VIDEO BANDWIDTH AND 2 dB AMPLIFIER NF.

