



**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			<b>BIASED SCHOTTKY DETECTOR</b>
SIZE	CAGE CODE	DWG NO	
<b>A</b>	1UJ73	<b>OD930-D114</b>	
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:	1600 mV/mW MIN.
INPUT POWER RANGE:	TSS TO +5.0 dBM
OUTPUT VOLTAGE FLATNESS vs FREQUENCY:	±1.2 dB
TSS:	-51 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, 100uA BIAS, VIDEO LOAD = 30K OHMS
2. OUTPUT POLARITY IS NEGATIVE. FOR POSITIVE OUTPUT ADD "P" TO PART NUMBER.
3. TSS BASED ON 2 MHz VIDEO BANDWIDTH AND 2 dB AMPLIFIER NF.

