

**DESIGN SPECIFICATIONS**

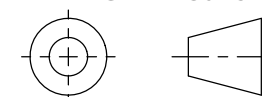
**ELECTRICAL**

**MECHANICAL & ENVIRONMENTAL**

FREQUENCY: 30-31GHz  
 VSWR (MAX): 1.5:1  
 INSERTION LOSS (MAX): .4 dB  
 INSERTION LOSS WOW (MAX): .1 dB  
 POWER, AVG: 200 W

PRESSURE: 15 PSIG MINIMUM  
 MATERIAL: ALUMINUM  
 FINISH: CHROMATE CONVERSION PER MIL-DTL-5541F, CLASS 3

THIRD ANGLE PROJECTION



DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE:  
 FRACTIONS ±1/64 DECIMALS 2 PLACES ±.03 ANGLES ±1/2°  
 3 PLACES ±.010

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

**DIAMOND ANTENNA & MICROWAVE CORP**  
 LITTLETON, MA 01460

TITLE: **SINGLE CHANNEL (U STYLE) R/J, WR-28**

SIZE: <b>B</b>	CAGE CODE: <b>01882</b>	DRAWING NUMBER: <b>CAT 18-1147-0</b>
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SCALE: <b>1:1</b>	WEIGHT (EST.):	SHEET: <b>1 OF 1</b>
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