



| SPECIFICATION | CHANNEL 1 | CHANNEL 2 |
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| 1. FREQ (GHz): | 30.0 TO 31.0 | 20.2 TO 21.2 |
| 2. VSWR: | 1.5:1 MAX | 2.0:1 MAX |
| 3. VSWR WOW/360 DEG: | 0.1 MAX | 0.50 MAX |
| 4. INSERTION LOSS: | 0.7 MAX | 2.0 MAX |
| 5. INS.LOSS WOW/360 DEG: | 0.1 MAX | 0.7 MAX |
| 6. CHANNEL ISOLATION: | 40 dB MIN | 50 dB MIN |
| 7. POWER HANDLING (WATTS): | 40 MIN | RECIEVE |
| 8. TEMPERATURE: | -50 TO +95 C | |
| 9. HUMIDITY: | UP TO 95% CONDENSING @ +35 ° C | |
| 10. SPEED: | 33 RPM MAX (200 DEGREES/SEC) | |
| 11. TORQUE: | 18 INCH OUNCES MAX | |
| 12. SHOCK: | PER MIL-STD-810F, PARAGRAPH 516.5, FIG. 516.5-8, PROCEDURE I FUNCTIONAL SHOCK | |
| 13. VIBRATION: | PER MIL-STD-810F, PARAGRAPH 514.5, CATEGORY 20, FIG.514.5C-3. | |
| 14. FINISH: | IRIDITE PER MIL-DTL-5541F, CL.3 | |
| 15. MATERIAL: | ALUMINUM | |
| 16. MARKING: | THE CHANNELS SHALL BE IDENTIFIED AS CH1 AND CH2 AT BOTH ENDS OF THE ROTARY JOINT. THE MARKINGS SHALL BE 1/8 INCH HIGH. APPLY DIAMOND STD. LABEL APPROX. WHERE SHOWN. | |

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| THIRD ANGLE PROJECTION | DIAMOND ANTENNA & MICROWAVE CORP <small>LITTLETON, MA 01460</small> | |
| | TITLE: DUAL CHANNEL WR-28 W/G | |
| DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED. SURF FINISH 63 TOLERANCES ARE: FRACTIONS DECIMALS ANGLES <small>±1/64 ±.005 ±1/2</small> | SIZE: D 01882 | DRAWING NUMBER: CAT 22129-0 |
| INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M | SCALE: 2:1 | WEIGHT (EST.): SHEET 1 OF 1 |