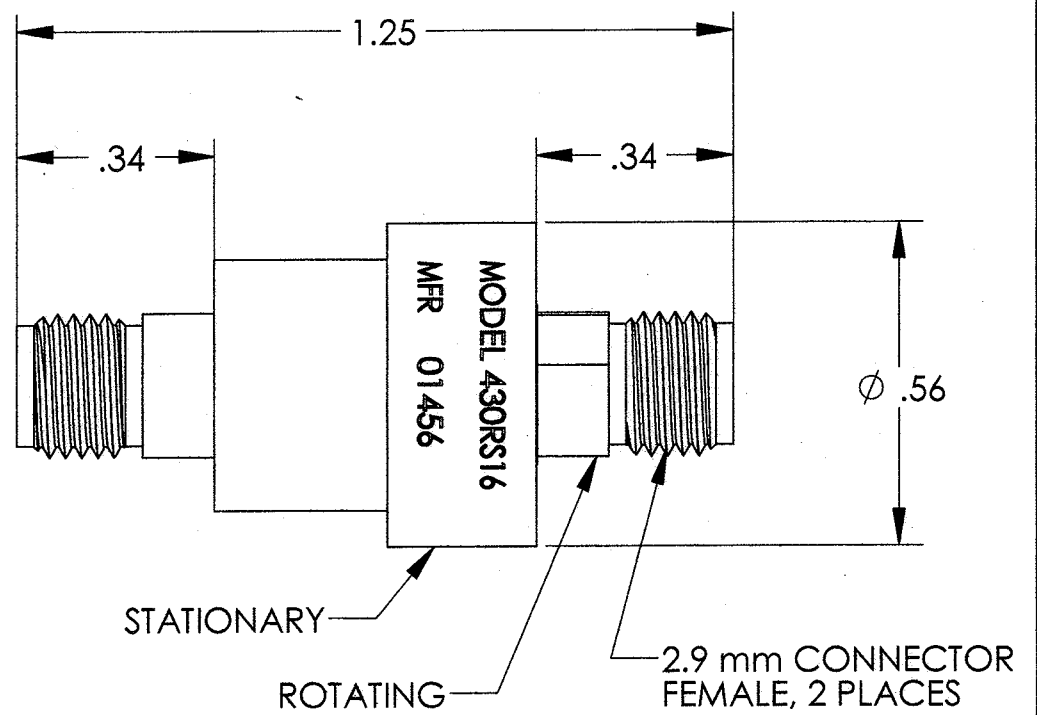


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|                   |         |                |           |            |           |                         |         |                   |  |
|-------------------|---------|----------------|-----------|------------|-----------|-------------------------|---------|-------------------|--|
| APPLICATION       |         | QUANTITY REQ'D |           |            | REVISIONS |                         |         |                   |  |
| NEXT ASSY         | USED ON | PART           | NEXT ASSY | FINAL ASSY | LTR       | DESCRIPTION             | DATE    | APPROVED          |  |
| DL-77800          | 223490  |                |           |            | A         | REVISED PER ECN # 20544 | 4-24-12 | SIGNATURE ON FILE |  |
| CAD FILE: 2077800 |         |                |           |            |           |                         |         |                   |  |

INTERPRET DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982



**SPECIFICATIONS:**

|                   |                 |
|-------------------|-----------------|
| <b>ELECTRICAL</b> |                 |
| FREQUENCY         | 17.0 - 43.0 GHz |
| VSWR              | 1.5 MAX         |
| WOW               | 1.02 MAX        |
| INSERTION LOSS    | .5 dB MAX       |

|                   |                |
|-------------------|----------------|
| <b>MECHANICAL</b> |                |
| MATERIAL          | COPPER ALLOY   |
| STARTING TORQUE   | .5 OZ.-IN. MAX |
| ROTATIONAL SPEED  | 100 RPM        |
| WEIGHT            | .5 OZ MAX.     |
| FINISH            | GOLD PLATE     |

IDENTIFICATION MDL MODEL 430RS16

|             |             |          |             |
|-------------|-------------|----------|-------------|
| PART NUMBER | DESCRIPTION | MATERIAL | MAT'L SPEC. |
|-------------|-------------|----------|-------------|

LIST OF MATERIAL

|   |  |   |                |   |                                 |
|---|--|---|----------------|---|---------------------------------|
| UNLESS OTHERWISE SPECIFIED  |  | DRAWN BY<br><b>F. COUNTER</b>   | DATE<br>5-1-07 | <b>MDL INC</b> MICROWAVE DEVELOPMENT LABORATORIES<br>NEEDHAM, MASSACHUSETTS |                                 |
| DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE<br>.XX ± .02 .XXXX ± .0005<br>.XXX ± .005 ANGULAR = ±30'<br>FRACTIONS ± 1/64 FINISH 63/  |  | CHECKED BY<br><b>R. WILSON</b>  | 5-1-07         |   |                                 |
| COMMERCIAL PUBLISHED TOLERANCES SHALL APPLY TO TUBING, BAR, PLATE ETC. ALL THREADS TO BE CLASS 2A (EXTERNAL), OR 2B (INTERNAL). PLATED PARTS MUST FIT GAGES AND MEET SPECIFIED TOLERANCES AFTER PLATING |  | ELECTRICAL ENGR   |                | <b>OUTLINE</b><br><b>2.9 mm COAX ROTARY JOINT</b>                           |                                 |
|   |  | MECHANICAL ENGR<br><b>F. COUNTER</b>  | 5-1-07         |   |                                 |
| DO NOT SCALE DRAWING  |  | CAUTION:<br>UNLESS THIS DRAWING BEARS THE SIGNATURE OF TWO AUTHORIZED ENGINEERING REPRESENTATIVES IN THE "APPROVED" BLOCKS IT IS PRELIMINARY AND UNDER NO CIRCUMSTANCES IS TO BE USED FOR MANUFACTURING PURPOSES. |                | DWG<br><b>A</b><br>SIZE   | CODE IDENT. NO.<br><b>01456</b> |
|   |  | SCALE<br><b>3 : 1</b>   | WEIGHT         | <b>20-77800</b>   | REV.<br><b>A</b>                |
|   |  | SHEET <b>1</b> OF <b>1</b>  |                |   |                                 |