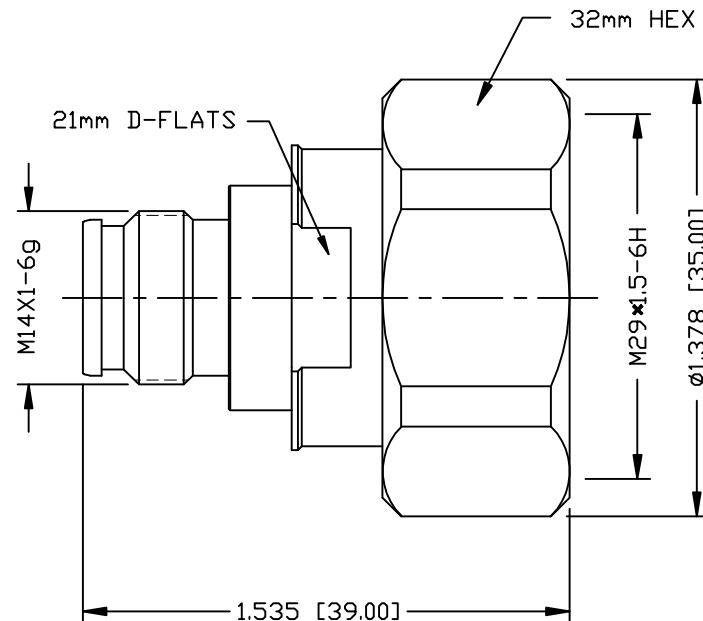


PART NO.

**RFD-225F-716M**

| REV | DESCRIPTION                    | DWN | DATE     | APPROVED |
|-----|--------------------------------|-----|----------|----------|
| -   | ENGINEERING RELEASE            | CZS | 07/17/20 | JDMc     |
| A   | CHANGED GENERAL SPECIFICATIONS | DM  | 10/2/20  | JDMc     |

**SPECIFICATIONS:**

INTERFACE: IEC61169-4/66

IMPEDANCE: 50 Ohms

FREQUENCY RANGE: 0-6 GHz

RETURN LOSS TYPICAL RESULTS:

0-3 GHz 30 dB

3-6 GHz 26 dB

3rd ORDER IM:  $\leq -165$  dBc @ 700 MHz & 1900 MHz

3rd ORDER IM TEST METHOD: 2x43 dBm CARRIERS

INSULATION RESISTANCE: 5000 M $\Omega$ 

TEMPERATURE RANGE: -40°C TO 100°C

DURABILITY: &gt;500 (7/16); &gt;100 (2.2/5) MATING CYCLES

MATING TORQUE: 25 Nm (7/16)

COMPLIANCE/CERTIFICATIONS: RoHS / IP68 MATED

NET WEIGHT: 0.205 lb

NOTE:

CONNECTOR WILL HAVE PROTECTIVE CAPS ON (NOT SHOWN)

| # | DESCRIPTION    | QTY | MATERIAL        | FINISH/COLOR |
|---|----------------|-----|-----------------|--------------|
| 7 | PROTECTIVE CAP | 2   | PE              | WHITE        |
| 6 | GASKET         | 1   | SI RUBBER       | RED          |
| 5 | RETAINING RING | 1   | SST             | PASSIVATED   |
| 4 | GROUND RING    | 1   | PHOSPHOR BRONZE | CuSnZn ALLOY |
| 3 | CONTACT PIN    | 1   | PHOSPHOR BRONZE | SILVER       |
| 2 | INSULATOR      | 1   | PTFE            | ---          |
| 1 | BODY           | 1   | BRASS           | CuSnZn ALLOY |

CUSTOMER  
OUTLINE DRAWINGALL DIMENSIONS  
ARE REFERENCE ONLYUNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
AND [MILLIMETERS]

|           |               |          |
|-----------|---------------|----------|
| DRAWN     | D. McREYNOLDS | 10/2/20  |
| CHECKED   |               |          |
| ORJ DRAWN | C. ZUÑIGA     | 07/17/20 |

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**2.2/5 FEMALE TO  
7/16 DIN MALE ADAPTER**

| CABLE GROUP | DWG #                | REVISION  |              |
|-------------|----------------------|-----------|--------------|
| N/A         | <b>RFD-225F-716M</b> | A         |              |
| FORMAT      | SCALE                | CONTROL # | SHEET 1 OF 1 |
| A           | NTS                  | 000000    |              |