

# 13dB Directional Coupler 7-16 DIN Female, 380-2700MHz

RFDC-13DBA-DF

**Low PIM**

**Low VSWR**

**Other  
Configurations  
Available**

**50 Ohms  
Impedance**

**RoHS Compliant**

**IP 67 Rated**



## GENERAL SPECIFICATIONS

|                       |                             |
|-----------------------|-----------------------------|
| Device Type .....     | Directional Coupler         |
| Interface .....       | 7-16 DIN Female             |
| Color .....           | Black                       |
| Dimensions.....       | 8.66" L x 3.10" W x 1.43" H |
| Bracket Included..... | Yes                         |
| Weight.....           | 2 lbs                       |

## ELECTRICAL SPECIFICATIONS

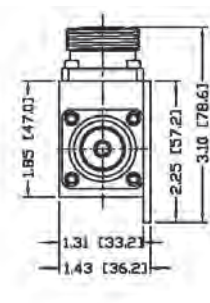
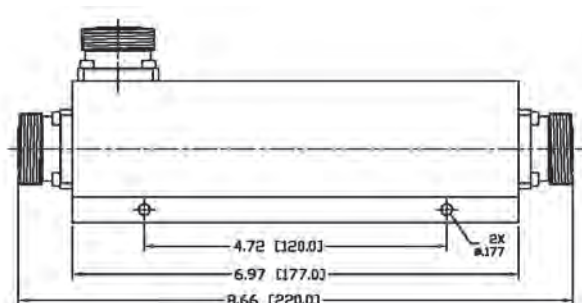
|                                      |                                  |
|--------------------------------------|----------------------------------|
| Operation Frequency Band.....        | 380-2700 MHz                     |
| 3rd Intermodulation .....            | ≤ -155 dBc (relative to carrier) |
| 3rd Intermodulation Test Method..... | Two +43 dBm Carriers             |
| Average Power, Maximum.....          | 500 Watt                         |
| Peak Power .....                     | 1.5 Kw                           |
| Coupling .....                       | 13dB                             |
| Coupling Tolerance .....             | ± 1.2dB                          |
| Impedance.....                       | 50Ω                              |
| Insertion Loss .....                 | ≤ 0.5dB@380-2700 MHz             |
| Directivity.....                     | ≥ 20dB                           |
| Isolation at Frequency Band .....    | ≥ 33dB@380-2700 MHz              |
| VSWR.....                            | ≤ 1.25                           |

## MECHANICAL SPECIFICATIONS

|                            |                          |
|----------------------------|--------------------------|
| Inner Contact Plating..... | Silver                   |
| Outer Plating.....         | White Bronze (Tri-Metal) |

## ENVIRONMENTAL SPECIFICATIONS

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Application .....                           | Indoor/Outdoor                |
| Operating Temperature.....                  | -30°C ~ +75°C; -22°F ~ +167°F |
| Relative Humidity .....                     | Up to 100%                    |
| Regulatory Compliance / Certifications..... | RoHS / IP67                   |



**RF Industries**

(NASDAQ: RFI)

7610 Miramar Road  
San Diego, CA 92126

(800) 233-1728

(858) 549-6340

Fax: (858) 549-6345

rfi@rfindustries.com

www.rfindustries.com