


PRODUCT FEATURES
Directional Coupler 1 5/8'' – DC÷2.5GHz – 2-Slot

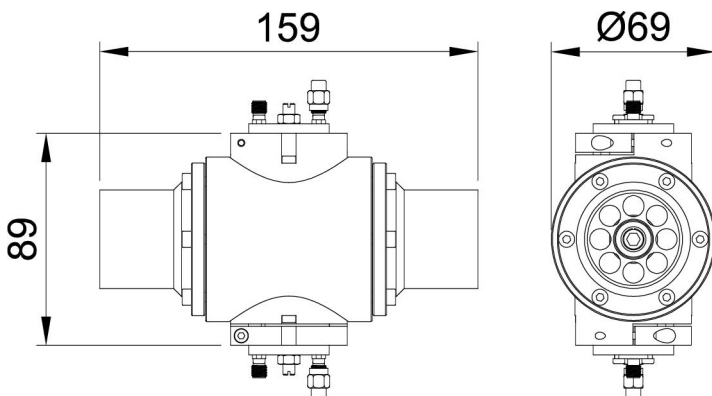
- High directivity
- Low VSWR
- ISM & Broadcast application
- Modular connection system
- Equalized response probes
- Flat response
- Suitable for a wide frequency range
- Robust mechanical design
- Terminator load included

SPECIFICATIONS

<i>PRODUCT CODE:</i>	DCP1582
<i>No. of SLOT</i>	2
<i>MAX OPERATING TEMP.</i>	65 °C (149 °F)
<i>TEMPERATURE OPERATING ENVIRONMENT</i>	-5 ÷ 50 °C 23 ÷ 122 °F
<i>CONNECTIONS and CODES⁽²⁾</i> DCP1582- uvwxy where: u – frequency range (1÷n) ⁽⁴⁾ v – number of probes (0÷2) w – probe connection (0÷1) x – input y – output	u=1: VHF B.I u=2: VHF B.II (FM) u=3: VHF B.III (DAB) u=4: UHF B.IV/V w=0: SMA female w=1: N female x÷y=8: EIA 1 5/8'' flange x÷y=9: EIA 1 5/8'' male x÷y=A: 1 5/8'' unflanged ⁽¹⁾ x÷y=B: 1 5/8'' clamping

ELECTRICAL DATA

<i>FREQUENCY RANGE⁽⁴⁾</i>	VHF B.I: 47-88MHz VHF B.II: 87.5-108MHz VHF B.III: 174-240MHz UHF B.IV/V: 470-860MHz
<i>MAXIMUM RMS INPUT POWER⁽³⁾</i>	VHF B.I: 20kW VHF B.II: 17kW VHF B.III: 12kW UHF B.IV/V: 7kW
<i>INSERTION LOSS</i>	≤ 0.04 dB
<i>RETURN LOSS (VSWR)</i>	> -34 dB < 1.04
<i>IMPEDANCE</i>	50 Ω
<i>COUPLING RANGE ⁽⁵⁾</i>	VHF B.I: -66 ÷ -84 dB VHF B.II: -50 ÷ -73 dB VHF B.III: -38 ÷ -62 dB UHF B.IV/V: -35 ÷ -60 dB
<i>DIRECTIVITY</i>	> 30 dB
<i>COUPLING TOLLERANCE</i>	≤ ± 0.15 dB

DIMENSIONAL DETAIL


<i>DIMENSIONS</i>	69x159x89 mm 2.72x6.26x3.50''
<i>WEIGHT</i>	1.5 Kg (3.3 lbs)

⁽¹⁾ Default configuration ⁽²⁾ Other connections available ⁽³⁾ Altitude < 1525 mt (5000 ft) ⁽⁴⁾ Specific bands configuration available ⁽⁵⁾ Different ranges available