



PRODUCT FEATURES

Directional Coupler 1 5/8" – DC÷2.5GHz – 4-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

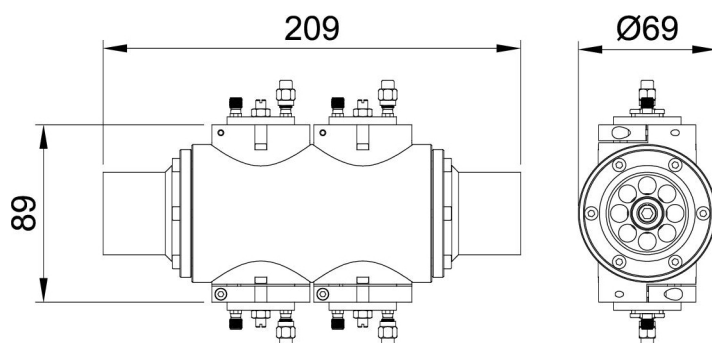
SPECIFICATIONS

PRODUCT CODE:	DCP1584
No. of SLOT	4
MAX OPERATING TEMP.	65 °C (149 °F)
TEMPERATURE OPERATING ENVIRONMENT	-5 ÷ 50 °C 23 ÷ 122 °F
CONNECTIONS and CODES ⁽²⁾ DCP1584- uvwxy where:	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
u – frequency range (1÷n) ⁽⁴⁾	
v – number of probes (0÷4)	
w – probe connection (0÷1)	
x – input	
y – output	

ELECTRICAL DATA

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

DIMENSIONAL DETAIL



DIMENSIONS	69x209x89 mm 2.72x8.23x3.50"
WEIGHT	2.4 Kg (5.3 lbs)

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