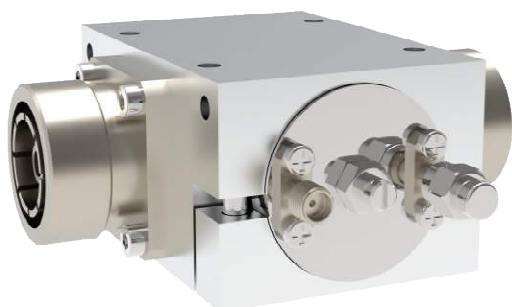




PRODUCT FEATURES

Directional Coupler 7/8" – DC÷3GHz – 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

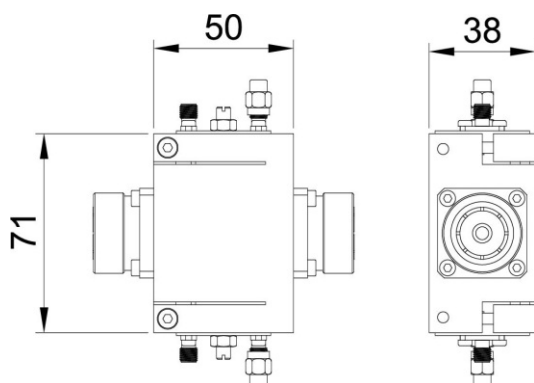
SPECIFICATIONS

PRODUCT CODE:	DCP782
No. of SLOT	2
MAX OPERATING TEMP.	65 °C (149 °F)
TEMPERATURE OPERATING ENVIRONMENT	-5 ÷ 50 °C 23 ÷ 122 °F
CONNECTIONS and CODES ⁽²⁾ DCP782-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 w=2: BNC x÷y=0: N female x÷y=1: N male x÷y=2: DIN 7/16 female ⁽¹⁾ x÷y=3: DIN 7/16 male x÷y=4: EIA 7/8" flange x÷y=6: 7/8" unflanged x÷y=7: 7/8" clamping
v – frequency range (1÷n) ⁽⁴⁾	
v – number of probes (0÷2)	
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: 7.5kW ⁽⁶⁾ VHF B.II: 6kW ⁽⁶⁾ VHF B.III: 3.5kW ⁽⁶⁾ UHF B.IV/V: 2.5kW ⁽⁶⁾
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 TOLERANCE	≤ ± 0.15 dB

DIMENSIONAL DETAIL



DIMENSIONS	38x50x71 mm 1.50x1.97x2.80"
WEIGHT	0.6 kg (1.3 lbs)

⁽¹⁾ Default configuration ⁽²⁾ Other connections available ⁽³⁾ Altitude < 1525 mt (5000 ft) ⁽⁴⁾ Specific bands configuration available ⁽⁵⁾ Different ranges available ⁽⁶⁾ According to the connector's type