



PRODUCT FEATURES

Directional Coupler 4 1/2" – DC ÷ 1.0GHz – 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

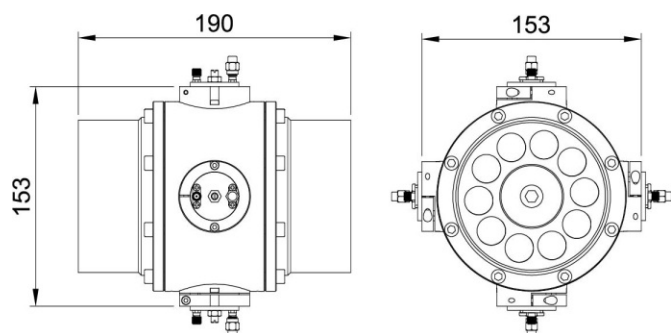
SPECIFICATIONS

PRODUCT CODE:	DCP4124
No. of SLOT	4
MAX OPERATING TEMP.	65 °C (149 °F)
TEMPERATURE OPERATING ENVIRONMENT	-5 ÷ 50 °C 23 ÷ 122 °F
CONNECTIONS and CODES ⁽²⁾	DCP4124-uvwxy where: u – frequency range (1÷n)⁽⁴⁾ v – number of probes (0÷4) 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=I: 4 1/16" unflanged x÷y=J: 4 1/16" clamping x÷y=K: EIA 4 1/8" flange x÷y=M: 4 1/8" unflanged x÷y=N: 4 1/8" clamping x÷y=O: EIA 4 1/2" flange x÷y=P: EIA 4 1/2" male x÷y=Q: 4 1/2" unflanged⁽¹⁾ x÷y=R: 4 1/2" clamping

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: 103kW VHF B.II: 95kW VHF B.III: 65kW UHF B.IV/V: 36kW
INSERTION LOSS	≤ 0.03 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	153x190x153 mm 6.02x7.48x6.02"
WEIGHT	2.6 Kg (5.7 lbs)

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