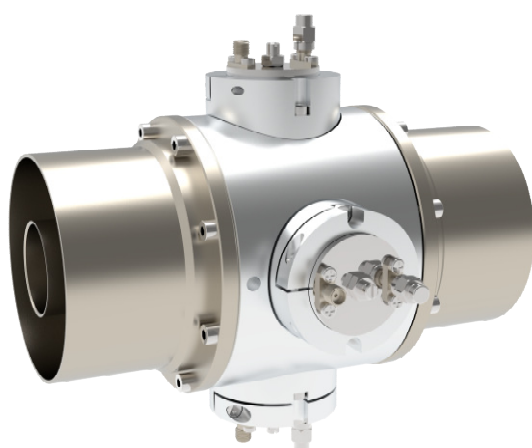




PRODUCT FEATURES

Directional Coupler 3 1/8" – DC÷1.3GHz – 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

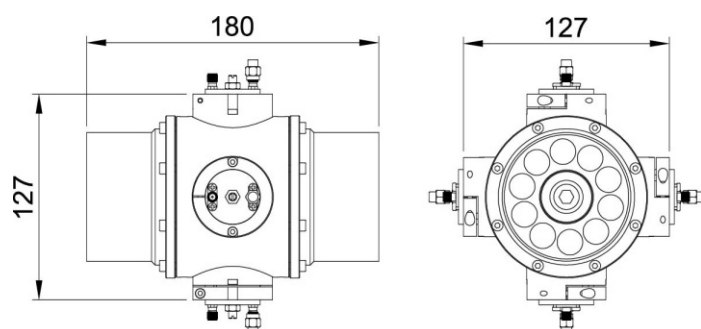
SPECIFICATIONS

PRODUCT CODE:	DCP3184
No. of SLOT	4
MAX OPERATING TEMP.	65 °C (149 °F)
TEMPERATURE OPERATING ENVIRONMENT	-5 ÷ 50 °C 23 ÷ 122 °F
CONNECTIONS and CODES ⁽²⁾	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=C: EIA 3 1/8" flange x÷y=D: EIA 3 1/8" male x÷y=E: 3 1/8" unflanged ⁽¹⁾ x÷y=F: 3 1/8" clamping
DCP3184- uvwxy where:	
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: 65kW VHF B.II: 60kW VHF B.III: 40kW UHF B.IV/V: 22kW
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	127x180x127 mm 5x7.09x5"
WEIGHT	1.8 Kg (4 lbs)

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