



PRODUCT FEATURES

Directional Coupler 9 3/16'' – DC ÷ 500MHz – 6-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:	DCP9316
No. of SLOT	6
MAX OPERATING TEMP.	65 °C (149 °F)
TEMPERATURE OPERATING ENVIRONMENT	-5 ÷ 50 °C 23 ÷ 122 °F
CONNECTIONS and CODES ⁽²⁾ DCP9316-uvwxy where:	u=1: VHF B.I u=2: VHF B.II (FM) u=3: VHF B.III (DAB) w=0: SMA female w=1: N female x÷y=W: EIA 9 3/16'' flange x÷y=X: 9 3/16'' unflanged ⁽¹⁾
u – frequency range (1÷n) ⁽⁴⁾	
v – number of probes (0÷6)	
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
MAXIMUM RMS INPUT POWER ⁽³⁾	VHF B.I: 370kW VHF B.II: 330kW VHF B.III: 230kW
INSERTION LOSS	≤ 0.01 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
DIRECTIVITY	> 30 dB
COUPLING TOLLERANCE	≤ ± 0.15 dB

DIMENSIONAL DETAIL

DIMENSIONS	310x385x310 mm 12.2x15.18x12.1''
WEIGHT	10.4 Kg (22.9 lbs)

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