

Directional Coupler 100 W

DESCRIPTION

- 100 W Directional Coupler with 10, 20, or 30 dB coupling covering 380 - 520 MHz.
- Excellent high-power performance.
- Very low SWR and insertion loss over the entire frequency range.

SPECIFICATIONS

Electrical			
Model	PRO-DIR 380-520-OD- 10 dB	PRO-DIR 380-520-OD- 20 dB	PRO-DIR 380-520-OD- 30 dB
Frequency	380 - 520 MHz		
Max. Input Power	100 W		
Coupling	10 dB ±1 dB	20 dB ±1 dB	30 dB ±1 dB
Impedance	50 Ω		
Input VSWR	< 1.25:1		
Total Loss	< 0.8 dB	< 0.3 dB	< 0.2 dB
Isolation	> 30 dB	> 40 dB	> 50 dB
Passive Intermodulation	-140 dBc		

Mechanical	
Connector Torque	25 - 30 Nm max.
Connection(s)	Input: 7/16 (f) Output: 7/16 (m) FWD/REV: N (f)
Dimensions	175 x 68 x 46.5 mm
Tools	Torque wrench and a 24 mm wrench for back stop
Weight	1 kg / 2.20 lb
Mounting	ø5.2 mm / 0.20 in. (4 holes)

Environmental	
Operating Temperature Range	-30 to 60 °C
Ingress Protection	IP65

ORDERING

Type	Product No.	Description
PRO-DIR 380-520-OD-10 dB	200002332	COUPLING: 10 dB
PRO-DIR 380-520-OD-20 dB	210001661	COUPLING: 20 dB
PRO-DIR 380-520-OD-30 dB	210001662	COUPLING: 30 dB



DIAGRAM

MOUNTING DETAILS

