

50 W Diplexer for the 0 - 520 MHz and 790 - 2700 MHz Ranges

DESCRIPTION

- > Diplexer for combining or splitting the two ranges 0 – 520 MHz and 790 – 2700 MHz.
- > IP 67 rated for both indoor and outdoor use.
- > Chebychev filter design ensures very high isolation across the entire pass ranges.
- > Very low insertion loss.
- > Wide temperature range.
- > 7/16 DIN(f) or N(f) connectors on all ports.
- > Coated with 2-component lacquer for maximum weather protection.

SPECIFICATIONS

Electrical	
Model	PRO-DIPX 520/790-2700
Frequency	COM-LOW port : 0 - 520 MHz COM-HIGH port : 790 - 2700 MHz
Max. Input Power	50 W CW simultaneously on both HIGH and LOW port
Insertion Loss	0 - 520 MHz := ≤ 0.6 dB, typ. < 0.5 dB 790 - 870 MHz := ≤ 1.2 dB, typ. < 0.9 dB 870 - 2700 MHz := ≤ 1.0 dB, typ. < 0.7 dB
Impedance	50 Ω
Isolation	LOW to HIGH port ≥ 70 dB, typ. 80 dB
VSWR	1.5:1 @ 0-520 MHz and 790-2500 MHz 2.0:1 @ 2500-2700 MHz
Passive Intermodulation	< -130 dBc (2 x 43 dBm)

Mechanical	
Connection(s)	7/16 DIN(f) or N(f)
Dimensions	120 x 100 x 41 mm / 4.72 x 3.94 x 1.61 in. (incl. connectors and flanges)
Weight	Approx. 0.8 kg / 1.76 lb.
Mounting	4.3 mm dia. (4 holes)

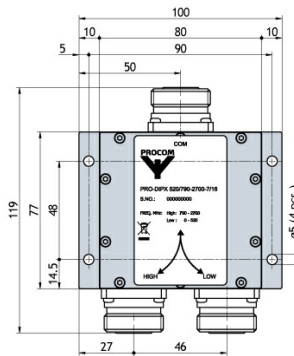
Environmental	
Operating Temperature Range	-30°C to +60°C
Ingress Protection	IP67

ORDERING

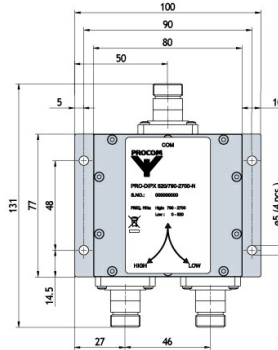
Model	Product No.
PRO-DIPX 520/790-2700-7/16(f)	200002445
PRO-DIPX 520/790-2700-N(f)	200002501



MOUNTING DETAILS FOR PRO-DIPX 520/790-2700-7/16



MOUNTING DETAILS FOR PRO-DIPX 520/790-2700-7/16-N



TYPICAL RESPONSE CURVES

