

100 W Diplexer for the 0 - 240 MHz and 370 - 960 MHz Ranges

DESCRIPTION

- > Diplexer for combining or splitting the two ranges 0 – 240 MHz and 370 – 960 MHz.
- > Available in an indoor and outdoor version.
- > Elliptical filter design ensures very high isolation across the entire pass ranges.
- > High power-handling capability.
- > Very low insertion loss.
- > Wide temperature range.
- > 7/16 DIN connectors on all ports.
- > Coated with 2-component lacquer for maximum weather protection.
- > Mast mounting bracket available for the outdoor version.



ORDERING

Model	Product No.	Description
PRO-DIPX 240/370-7/16	200002314	Indoor
PRO-DIPX 240/370-7/16-OD	200002313	Outdoor
Mast mounting bracket for PRO-DIPX 240/370-7/16 OD	200002305	

SPECIFICATIONS

Electrical	
Model	PRO-DIPX 240/370-7/16-...
Frequency	COM-LOW port : 0 - 240 MHz COM-HIGH port : 370 - 960 MHz
Max. Input Power	100 W CW simultaneously on both HIGH and LOW port
Insertion Loss	0 - 240 MHz: = 0.4 dB 370 - 960 MHz: = 0.5 dB
Impedance	50 Ω
Isolation	LOW to HIGH port: = 70 dB
VSWR	< 1.5:1
Mechanical	
Connection(s)	7/16 DIN(f)
Dimensions	Indoor version: 120 x 100 x 46 mm / 4.72 x 3.94 x 1.81" Outdoor version: 126 x 100 x 46 mm / 4.96 x 3.94 x 1.81"
Weight	Indoor version: Approx. 865 g / 1.90 lb. Outdoor version: Approx. 1000 g / 2.20 lb.
Mounting	Indoor: ø5.2mm / ø0.20" (4 holes) Outdoor: ø7.0mm / ø0.28" (2 holes)
Environmental	
Operating Temperature Range	-30°C to +50°C
Ingress Protection	Indoor version : IP64 Outdoor version: IP67

ADDITIONAL DATA

OUTDOOR VERSION



TYPICAL RESPONSE CURVES



PORT ATTENUATION (DB)

