



PRO-DIPX-175/220-...

100 W Diplexer for the 0-175 MHz and 220-960 MHz Ranges

DESCRIPTION

- Diplexer for combining or splitting the two ranges 0 – 175 MHz and 220 – 960 MHz.
- Chebychev design ensures very high isolation across the whole pass ranges.
- High Power handling capability.
- Low insertion loss.
- Low weight.
- Wide temperature range.
- Milled aluminium box ensures extraordinarily high mechanical strength.
- Black vinyl-coated to prevent corrosion.
- N-connectors on all ports (standard).
- Also available with SMA, TNC or BNC connector types.



SPECIFICATIONS

ELECTRICAL

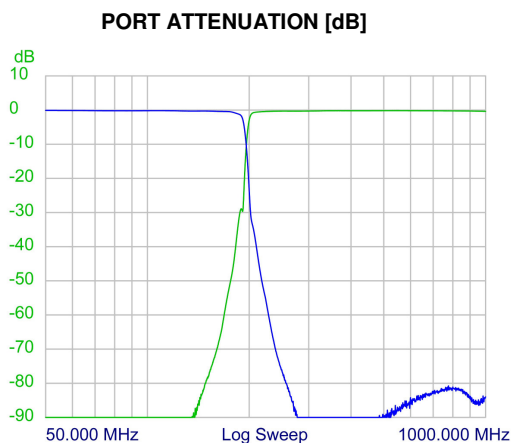
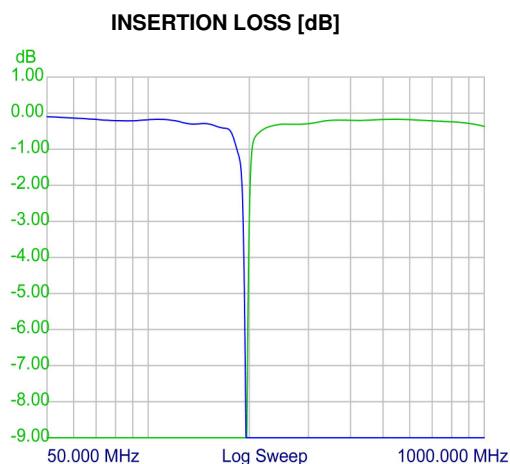
MODEL	PRO-DIPX 175/220-...
FREQUENCY RANGE	COM-LOW port: 0-175 MHz COM-HIGH port: 220-960 MHz
MAX. RF POWER	100W CW simultaneously on both HIGH and LOW port.
INSERTION LOSS	0-175 MHz: ≤ 0.5 dB 220-960 MHz: ≤ 0.5 dB
ISOLATION	LOW to HIGH port: ≥ 50 dB
IMPEDANCE	Nom. 50 ohm
SWR	Max. 1.5:1 on all ports

MECHANICAL

TEMP. RANGE)*	-40°C to +60°C
CONNECTORS	INPUT: N female OUTPUT: N female (Other types available on request)
IP rating	IP62
DIMENSIONS (L x W x H)	133 x 80 x 31 mm (incl. connectors and flanges)
WEIGHT	Approx. 380 g
MOUNTING	$\varnothing 4.3$ mm (4 holes)

) * Temperature on box surface. Adequate cooling to keep max. temperature below +60°C must be provided.

TYPICAL RESPONSE CURVES



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
PRO-DIPX 175/220-N	200002248
PRO-DIPX 175/220-SMA	200002249
PRO-DIPX 175/220-TNC	200002250
PRO-DIPX 175/220-BNC	200002251