

XLGQ4-150 Cavity Band Pass Filter VHF Duplexer

XLGQ4-150 is a compact 4 cavity VHF bandpass filter duplexer for mid power base station repeaters and sites. The XLGQ4-150 is a versatile mechanical band pass filter duplexer with excellent performance in a compact size.

With 2 Mhz minimum separation this Filter is ideal for any VHF radiocommunicattion application, especially for the narrow band LMR systems with 12.5 Khz channels.

FEATURES

- Rugged Design, Heavy Duty use
- 2 MHz minimum separation
- Long Life: 10+ years
- Compact form factor
- 19" Rack Mount
- N female connectors
- VSWR: 1.5:1 in the full operation band
- Duplexers are shipped tuned to customer's Tx/Rx frequencies



Electrical Specifications

Frequency Range	150-170 Mhz
Number of Cavities	4
Minimum Separation (Tx/Rx)	2 Mhz
VSWR	< 1.5:1
Cavities	4
Impedance	50 ohms
Maximum Power	150 watts
Insertion Loss	< 1.5 dB
Rejection	75 dB
Tx/Rx Isolation	75 dB
Tx/Rx Connectors	N Female
Antenna Connector	N Female

Mechanical Specifications

Width	482.6 mm (19")
Height	133.5 mm (5.25"), 3RU
Deep	680 mm (26.8")
Weight	4.5 Kg
Mounting	19" Rack, 3RU height
Finish	Surface sprayed paint
Included Accesories	Mounting hardware Instructions manual

Environmental

Operational Temperature	-40°C to +60°C -40°F to +140°F
Compliance	RoHS