

### DATASHEET

PART NO: **192012R1**

### Duplexer Pass Notch Rack 100W 4x3" 144-174MHz Ns

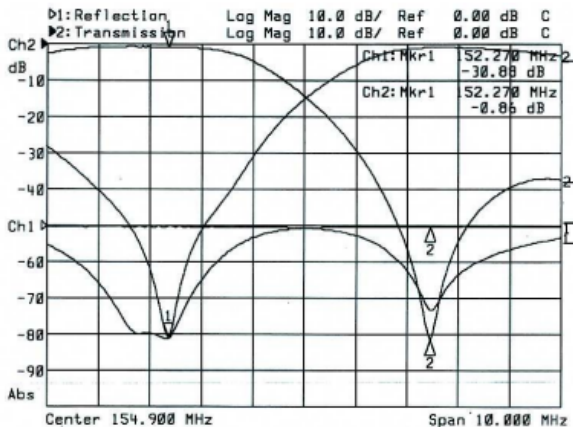


EN Series Antenna Duplexers consist of a group of cavity resonators connected and tuned together to allow both a transmitter and a receiver to share a common antenna allowing bi-directional (duplex) communication over a single channel. These units feature compact, high Q cavities, requiring less rack space than standard 4-inch cavities. The cavities are arranged in an order which provides enough isolation to keep the transmitter from interfering with the receiver.

#### FEATURES

- High Q Square cavities
- Space saving design
- Low insertion loss

#### TITLE NEEDED



#### ELECTRICAL SPECIFICATIONS

Frequency	144 – 174 MHz
Offset (Min)	5 MHz
Input Power (Max)	100 W
Number of Resonators	4
Insertion Loss Rx-Ant (Nom)	1.0 dB @ Min. Spacing
Insertion Loss Tx-Ant (Nom)	1.0 dB @ Min. Spacing
Isolation (Min. / Typ.)	80 / 85 dB
VSWR (Max.)	1.25:1
Impedance (Nom.)	50 $\Omega$
RF Connectors	N Female

#### MECHANICAL SPECIFICATIONS

Finish	Yellow Chem Film
Cavity Size / Quantity	3" / 4
Rack Mount	19" EIA
Rack Units	3 RU
Overall Size (HxWxD)	5.25" x 19" x 10" (133 x 483 x 254 mm)
Net Weight	7.15 lbs (3.7 kg)
Ship Weight	10 lbs (4.5 kg)

#### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-22 to 140 °F (-30 to +60 °C)
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#### WARRANTY

12 months (Please refer to [Benelec Terms & Conditions](#))