

# STL (7 GHz) / ISM (5.8 GHz) Diplexer

## Model 16940

This diplexer allows broadcasters to run their station's IP operations (ISM band) through the same antenna as their broadcast auxiliary services (STL band).

The model **16940** provides a low band path (5.725-5.850 GHz) for the **unlicensed** ISM feed and a high band path (6.875 - 7.125 GHz) for the STL feed.

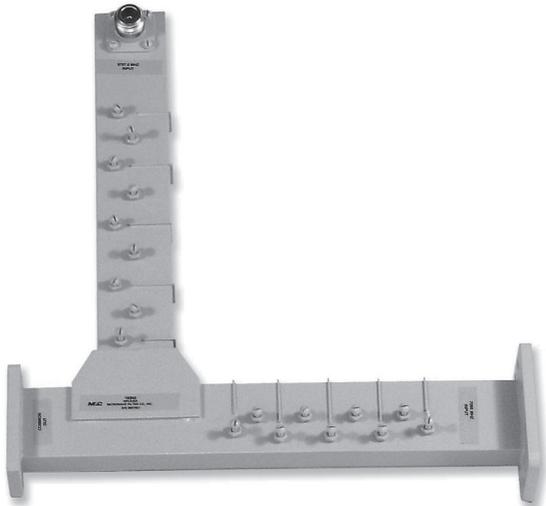
- *Optimizes Performance* – No need to “patch-in” the ISM through the STL antenna via “lossy” circulator/filter assemblies.
- *Saves Revenue*
  - Eliminates the need for a separate ISM antenna system.
  - Eliminates the need for a separate STL (7 GHz) filter.

### Specifications:

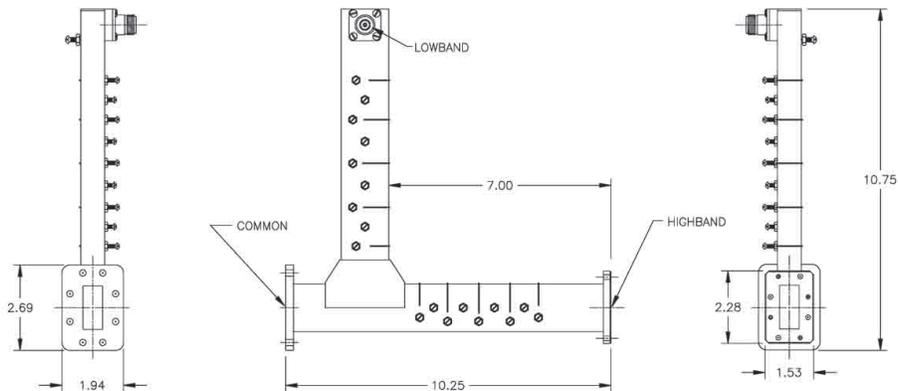
Passbands .....	Low band: 5.725-5.850 GHz High band: 6.875-7.125 GHz
Passband Loss .....	Low band: 0.1 dB Typ; 0.2 dB Max High band: 0.2 dB Typ; 0.3 dB Max
Passband Return Loss .....	20 dB Min
Power Rating (CW) .....	5 Watts Max
Mutual Isolation .....	60 dB Typ; 50 dB Min
Interface .....	N Female (Low band port) CMR137 (High band port) CPR137F (Common port)

Alternate flange/connector configurations are available upon request

For **Licensed** (Lower 6 GHz) ISM band applications, see our model 18857 diplexer



	Interface		
Model	Lowband	Highband	Common
<b>16940</b>	N-female	CMR137	CPR137
<b>16940-CMR</b>	N-female	CMR137	CMR137
<b>16940-CPR</b>	N-female	CPR137	CPR137
<b>16940-UG344</b>	N-female	CMR137	UG344



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