

STL (7 GHz) / ISM (Upper 6 GHz) Diplexer

Model 19381

This diplexer allows broadcasters to run their licensed (upper) 6 GHz ISM band operations through the same antenna as their broadcast auxiliary services (STL).

The model 19381 consists of a low band (6.540 - 6.740 GHz) for the ISM feed and a high band (6.875 - 7.125 GHz) for the STL feed resulting in superior isolation between the two feeds.

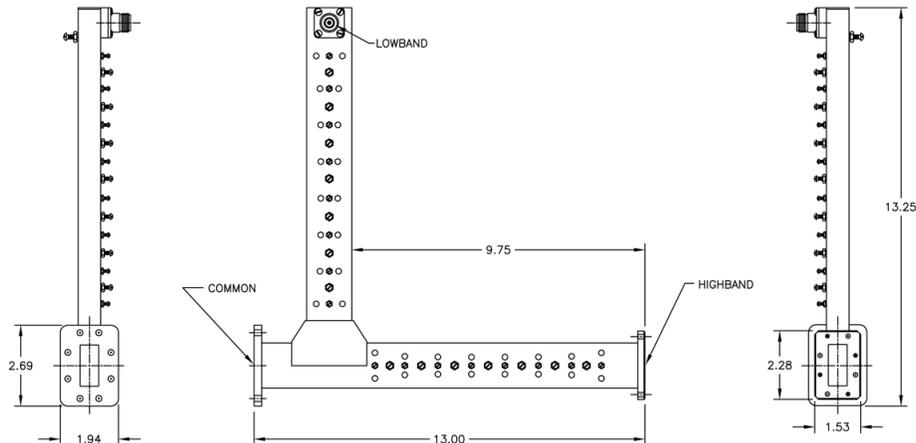
- *Reduces Costs* – Eliminates the need for a separate ISM antenna system.
 - Eliminates the need for a separate STL (7 GHz) filter.
- *Optimizes Performance* – No need to “patch-in” the ISM feed through the STL antenna via “lossy” circulator/filter assemblies.

Specifications:

Passbands	Low band: 6.540 - 6.740 GHz
	High band: 6.875-7.125 GHz
Passband Loss	Low band: 0.3 dB Approx
	High band: 0.3 dB Approx
Passband Return Loss.....	20 dB Min
Power	5 Watts
Mutual Isolation.....	60 dB Typ; 50 dB Min
Interface	CPR137F (Common)
	CMR137 (High band)
	N-female (Low band)

Alternate flange/connector configurations are available upon request.

* For **unlicensed** (5.8 GHz) ISM band applications see our model **16940** diplexer.



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