

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

Model 18857

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 **18857** provides a low band path (5.925-6.425 GHz) for the licensed ISM feed and a high band path (6.875 - 7.125 GHz) for the STL feed.

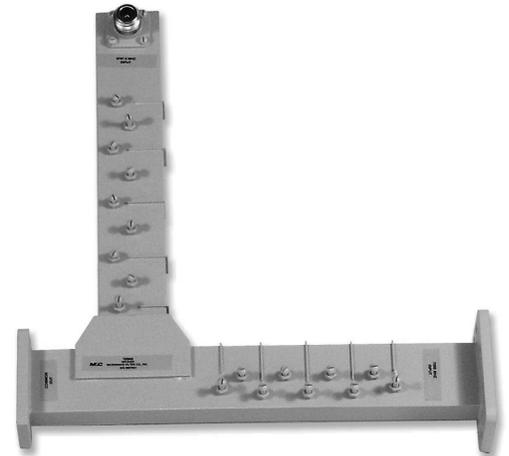
- *Reduces Costs* – Eliminates the need for a separate ISM antenna system
– Eliminates the need for a separate STL (7 GHz) filter
- *Optimizes Performance* – No need to “patch-in” the ISM feed through the STL antenna via “lossy” circulator/filter assemblies
- *Robust IP Capability* – The **licensed** (lower 6 GHz) ISM band provides 4X more bandwidth than the **unlicensed*** (5.8 GHz) ISM band.

Specifications:

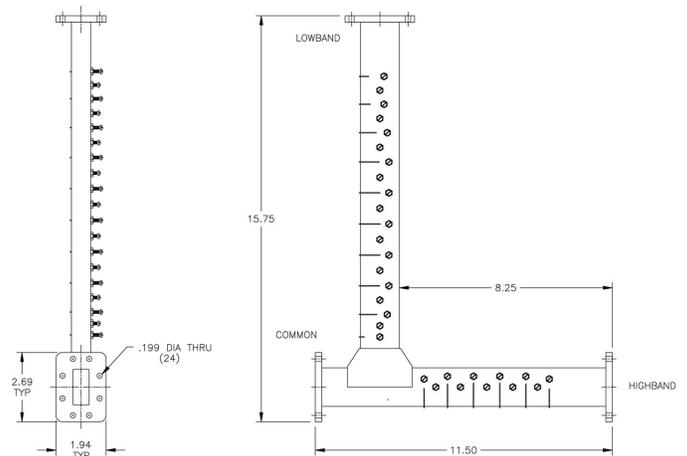
Passbands	Low band: 5.925-6.425 GHz
	High band: 6.875-7.125 GHz
Passband Loss	Low band: 0.75 dB Typ
	High band: 0.5 dB Typ
Passband Return Loss	20 dB Min
Power	5 Watts
Mutual Isolation	40 dB Min
Connectors	See chart

Alternate flange/connector configurations are available upon request.

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



Model	Interface		
	Lowband	Highband	Common
18857	CPR137F	CPR137F	CPR137F
18857-1	N-female	CPR137F	CPR137F



MICROWAVE FILTER COMPANY, INC.

6743 Kinne Street, East Syracuse, NY 13057 • Toll Free: 800-448-1666 or 888-206-6610

www.microwavefilter.com • email: mfcsales@microwavefilter.com • International: 315-438-4700