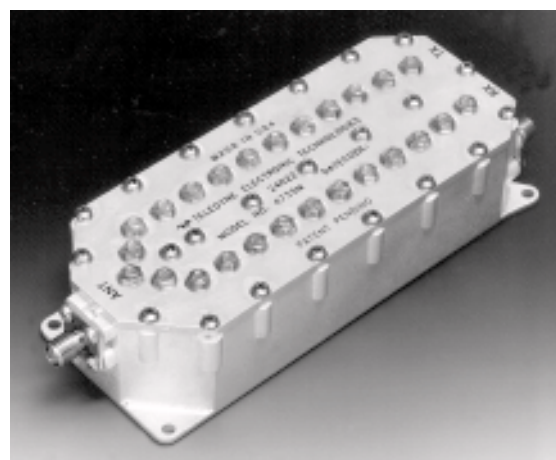


4733M INMARSAT-M DUPLEXER

Features:

- ❖ Temperature Stability better than Aluminum
- ❖ Low Loss (1.0 dB, Typical)
- ❖ Lightweight, Injection Molded Housing
- ❖ 35 watts CW Power Handling
- ❖ Available from Stock
- ❖ Low Cost



Product Description:

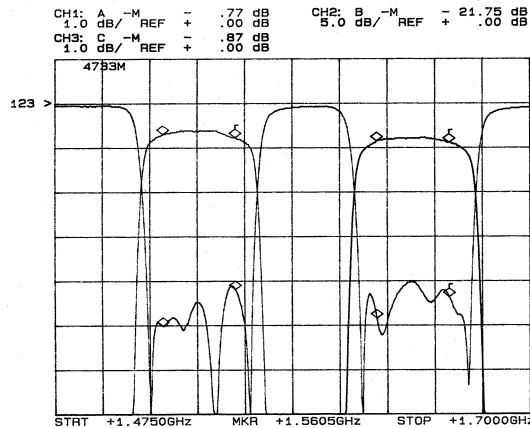
The 4733M duplexer is ideal for mobile INMARSAT-M SATCOM applications. It offers the system designer a temperature stable, lightweight, and low cost solution to duplexer requirements. The 4733M utilizes the proven injection molded plated plastic technology pioneered by Teledyne. 4733M is in stock and available for shipment within 24 hours.

TABLE OF SPECIFICATIONS

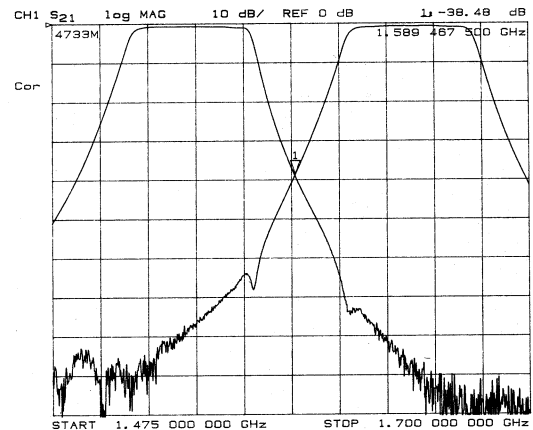
PARAMETER	FREQUENCY (MHz)	SPECIFICATIONS (GUARANTEED / TYPICAL)
Receive Band:		
Passband	1525 - 1559 MHz	
Insertion Loss	1525 - 1559 MHz	1.0 dB max. / 0.85 dB
Input / Output VSWR	1525 - 1559 MHz	1.5:1 max. / 1.35:1
Transmit Band:		
Passband	1626.5 - 1660.5 MHz	
Insertion Loss	1626.5 - 1660.5 MHz	1.0 dB max. / 0.85 dB
Input / Output VSWR	1626.5 - 1660.5 MHz	1.5:1 max. / 1.35:1
Interchannel Isolation:		
Tx to Rx	1525 - 1559 MHz	65 dB min. / 70 dB
Rx to Tx	1626.5 - 1660.5 MHz	75 dB min. / 80 dB
Weight		
		6.0 oz., 171.1 grams
Power Handling (CW)		
		35 watts
Operating Temperature		
		-35°C to +85°C
Storage Temperature		
		-50°C to +95°C

4733M INMARSAT-M DUPLEXER

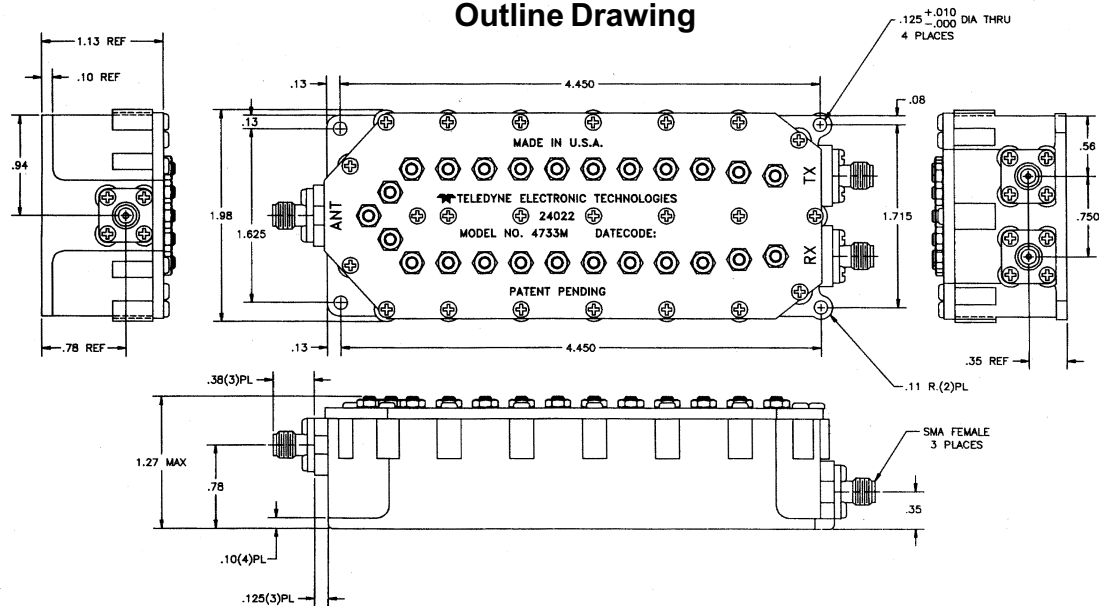
Typical Insertion Loss and VSWR



Typical Rx to Tx and Tx to Rx Rejection



Outline Drawing



Other filter designs available include: PCS, GSM 900, GSM 1800, GSM 1900 PDC, Cellular and PHP applications.

Teledyne reserves the right to make changes without further notice to any specifications herein. "Typical" parameters can and do vary in different applications.