

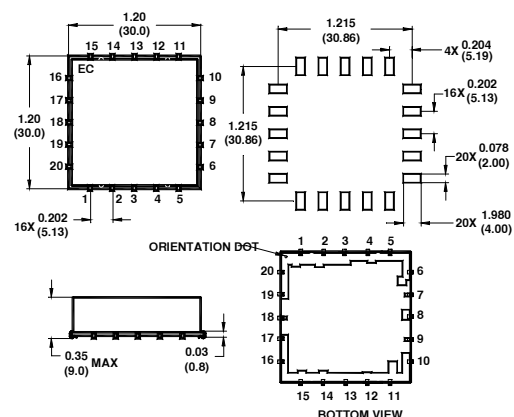
Features

- Surface Mount
- Impedance 75 Ohms Nominal

Description

M/A-COM's EDF-2E is a Low Cost, Non Hermetically Sealed Diplex Filter unit designed for CATV applications.

SM-85 Package



Electrical Specifications @ 25°C

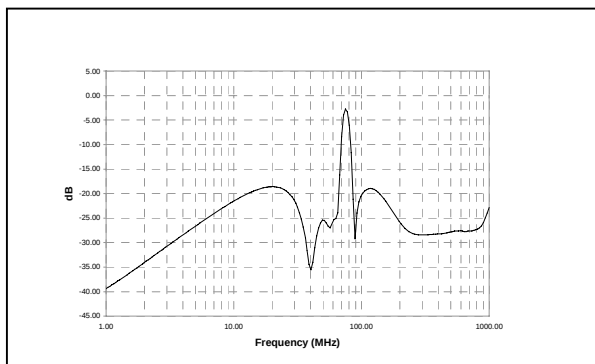
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Frequency Range	5-1000 MHz				
Low Pass Cutoff	65 MHz	-	-	-	-
Loss Pass Reject	88 MHz	-	-	-	-
High Pass Cutoff	88 MHz	-	-	-	-
High Pass Reject	65 MHz	-	-	-	-
Insertion Loss					
Low Pass (PassBand)	5-65 MHz	dB	-	0.5	1.0
Low Pass (StopBand)	88-870 MHz	dB	45	48	-
Low Pass (StopBand)	870-1000 MHz	dB	42	45	-
High Pass (StopBand)	5-65 MHz	dB	48	50	-
High Pass (PassBand)	88-1000 MHz	dB	-	0.5	1.2
Insertion Loss Flatness	5-65 MHz	dB	-	-	0.5
	88-870 MHz	dB	-	-	0.5
Crossover Band Isolation	65-88 MHz	dB	30.0	35.0	-
Return Loss Input Port	5-66 MHz	dB	17.0	19.0	-
	88-870 MHz	dB	17.0	19.0	-
Return Loss Low Pass Port	5-65 MHz	dB	17.0	19.0	-
					-
Return Loss High Pass Port	88-870 MHz	dB	17.0	19.0	-
	870-1000 MHz	dB	15.0	16.0	-
					-

Note: Specifications subject to change without notice.

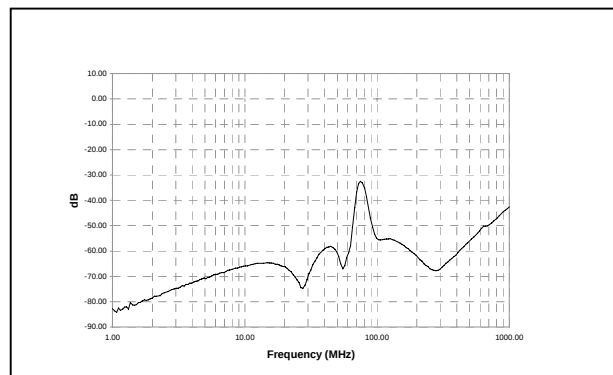
Note *: Flatness is defined as any response change within a 10 MHz frequency span therefore the flatness spec is intended to mean that no change of 0.5dB, within a 10 MHz frequency span anywhere in the pass band of a diplex filter will be permitted.

Typical Performance @ +25° C

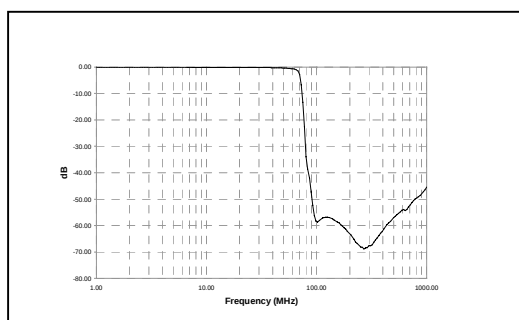
Input Return Loss



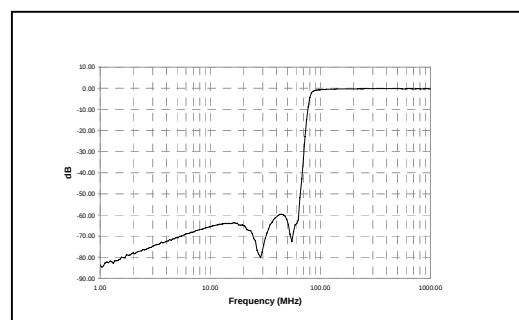
Isolation



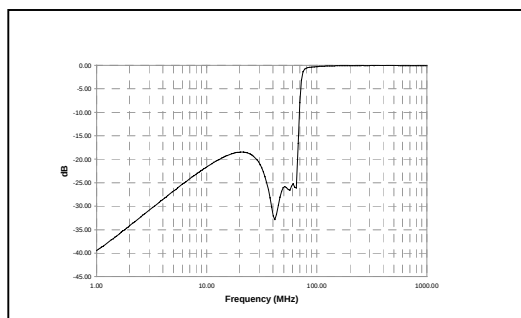
Low Pass Filter Insertion Loss



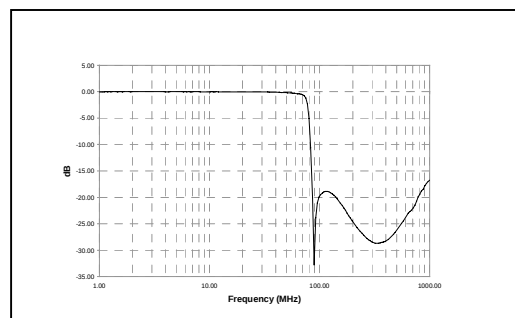
High Pass Filter Insertion Loss



Low Pass Filter Output Return Loss



High Pass Filter Output Return Loss



Rev D

Specifications subject to change without notice.

■ North America: Tel. (800) 366-2266, Fax (800) 618-8883

■ Asia/Pacific: Tel.+81-44-844-8296, Fax +81-44-844-8298

■ Europe: Tel. +44 (1344) 869 595, Fax+44 (1344) 300 020

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Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating/Storage Temperature	-20° C to +85° C

Functional Configuration

Function	Pin No.
Input	18
Low Pass	9
High Pass	7
Ground	1-6,8,10-17,19,20
Not Connected	-

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