

## 3303D SERIES

# CATV DIGITAL CHANNEL BANDPASS FILTERS (ULTRA-SELECTIVE)

# Microwave Filter Company

### 3303D Channel Bandpass Filter



EHI CH2	\$11 LC \$21 LC	18 3.	.5 dB/R	EF 0 dB		:	24 No 8-1,48 8-38.1	v 2008 : 79 dB 2 24 dB	L1:31:5 60.000 0		
PRe	٠										CH1 Harkers
	-	_		-	_		7	立	-	$\vdash$	11-17.851 dB 252.388 Miz
CA	_		3	1			2	$\bigvee$			29-21.894 dB 257,788 MHz
			/	(				X.			38-1-7291 dB 259.000 MHz
			7					4			
+			/\$				П	1			
PRm				1							
Ca				1	$\vee$	V	M				CH2 Markers 11-3,8822 dB 252,388 MHz
	1						Ž				257.788 HHz
	1									1,4	38-29,254 dB 258,888 MHz
†											
	CEN	TER 255.	800 808	MHz			L	SPAN 26	1999 996	HHz	

Typical Frequency Response of 3303D

This bandpass filter isolates a single digital channel from all other CATV channels -including *adjacents*. Ideal for *signal-conditioning* of re-modulated programming. **Channel Availability:** CATV (2-36) and (95-99).

Model 3303D Channels	Channel Insertion Loss (Max)	Rejection (Relative to Channel Center)				
2 to 6	3.0 dB	$40 \text{ dB (Typ)} \pm 5 \text{ MHz}$				
14 to 22	4.0 dB	$40 \text{ dB (Typ)} \pm 5 \text{ MHz}$				
7 to 13	4.5 dB	$35 \text{ dB (Typ)} \pm 5 \text{ MHz}$				
23 to 36	5.0 dB	$35 \text{ dB (Typ)} \pm 5 \text{ MHz}$				
95 to 99	3.5 dB	$40 \text{ dB (Typ)} \pm 5 \text{ MHz}$				
All Channels: 14	All Channels: 14 dB (Min) Return Loss					

### **Mechanical Specifications:**

Baseplate Dimensions: 10.25" x 1.50" Rack Mount Available Upon Request Connectors: 75 ohm - Type "F"

#### Ordering Information:

3303D-(Channel #)

- Analog version also available [ 3303-(Ch. #) ].
- $\bullet$  Enhanced version available for deeper rejection of upper and/or lower adjacent channels [ E3303D-(Ch. #)U/L ].

#### 14584D Bandpass Filter



2MHz

## **14584D SERIES**

This bandpass fi lter isolates a single digital channel from all other CATV channels -including *adjacents*. Ideal for *signal-conditioning* of re-modulated programming.

Channel Availablity: CATV (37-125).

Model 14584D Channels	Channel Insertion Loss (Max)	Rejection (Relative to Channel Center)			
37 to 53	3.0 dB	$25 \text{ dB (Min)} \pm 5 \text{ MHz}$			
54 to 125	5.0 dB	25 dB (Min) ± 5 MHz			
All Channels: 18 dB (Min) Return Loss					

#### **Mechanical Specifications:**

Rack Chassis Mount (1 RU)

Wall Mount - Available Upon Request [ W14584D-(Ch.) ]

Connectors: 75 ohm - Type "F"

#### Ordering Information:

14584D-(Channel #)

- Analog version also available [ 14584-(Ch. #) ].
- Enhanced version available for deeper rejection of upper and/or lower adjacent



Typical Frequency Response of 14584D