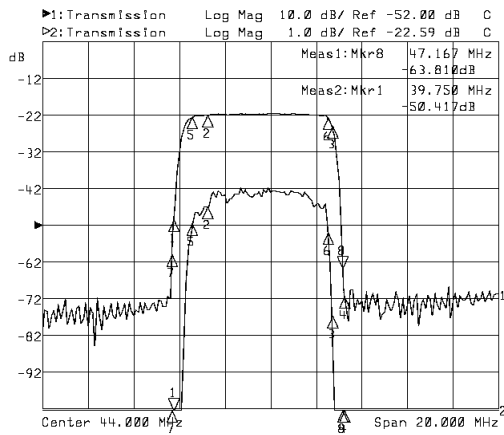


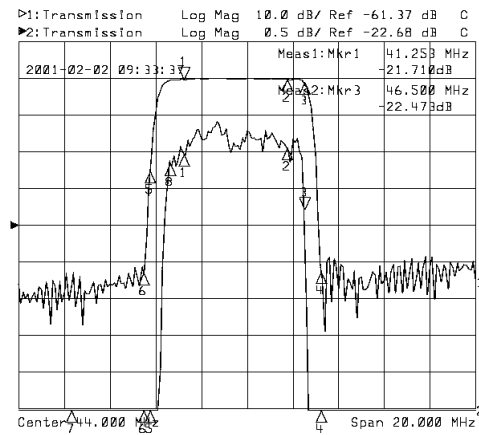
# 44MHz CATV Filter (NTSC)

## Part Number MDS-6

### Typical Performance



Horizontal: 2MHz/Div  
Vertical: 1dB/Div&10dB/Div

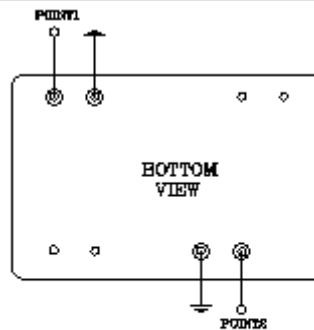
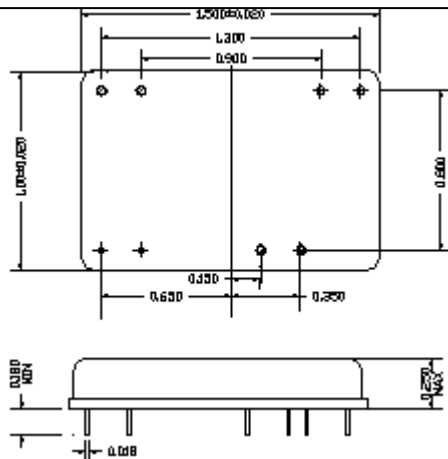


Horizontal: 2MHz/Div  
Vertical: 0.5dB/Div&10dB/Div

### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	43.90	44.00	44.10
Insertion Loss at F0	dB		23.00	24.00
@41.25MHz	dB	-0.49	-0.50	
@47.25MHz	dB		-50.00	-51.50
@46.50MHz	dB	-1.48	-1.50	
@39.75MHz	dB		-30.00	-30.50
Passband Variation	dB		0.60	0.80
Group Delay Variation	nsec		80	100
Absolute Delay	usec		3.50	3.52
Ultimate Rejection	dB	48	50	
Substrate Material	-		128LiNbO3	
Ambient Temperature	°C	-40	25	80

### Package



No Matching Required  
Source/Load Impedance-50ohm  
Package Style YS