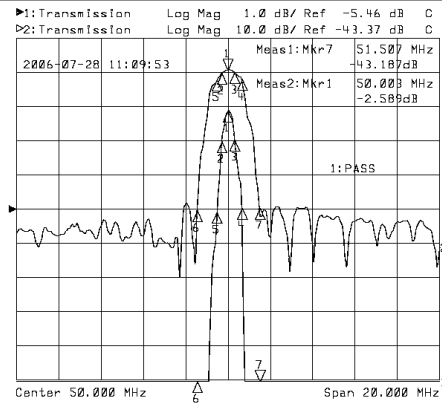


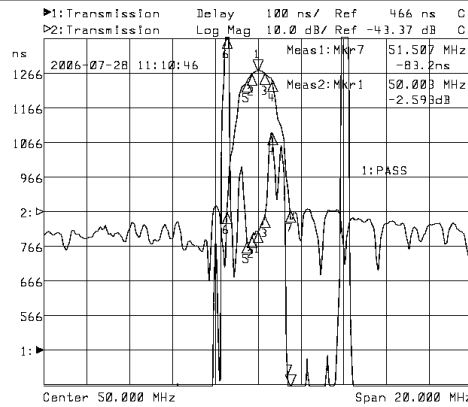
# 50MHz Low-Loss Filter

## Part Number 050008

### Typical Performance



Horizontal: 2.0MHz/Div  
Vertical: 1dB/Div&10dB/Div

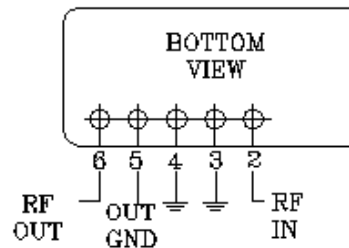
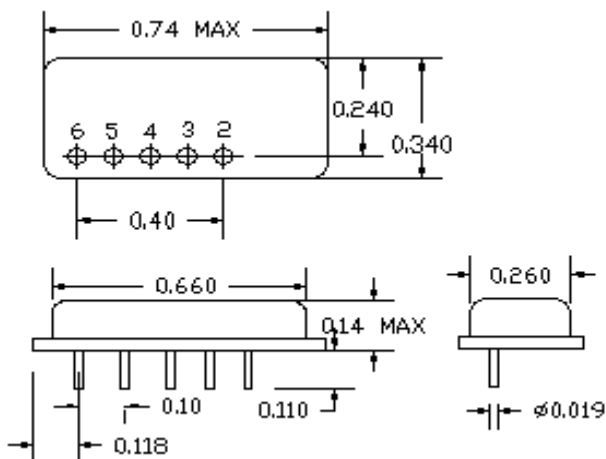


Horizontal: 2.0MHz/Div  
Vertical: 100nsec/Div&10dB/Div

### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	49.90	50.00	50.10
Insertion Loss at $F_0$	dB		2.59	2.68
1 dB Bandwidth	MHz	0.60	0.62	
3 dB Bandwidth	MHz	1.13	1.16	
40dB Bandwidth	MHz		2.95	2.99
Passband Variation	dB		0.20	0.50
Group Delay Variation	nsec		80	100
Absolute Delay	usec		0.81	
Ultimate Rejection	dB	38	40	
Substrate Material	-		128LiNbO3	
Ambient Temperature	°C	-40	25	80

### Package



No Matching  
 Required  
 Source/Load  
 Impedance=50ohm  
 Package Style XP