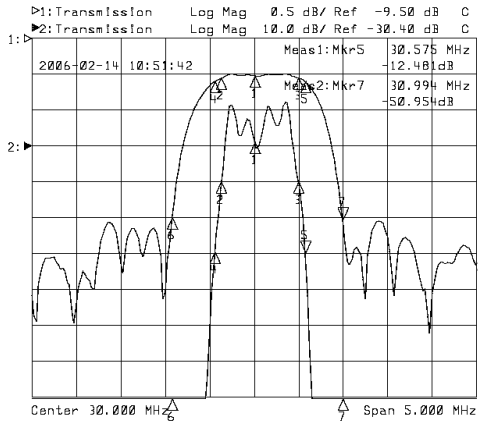


30MHz Low-loss Filter

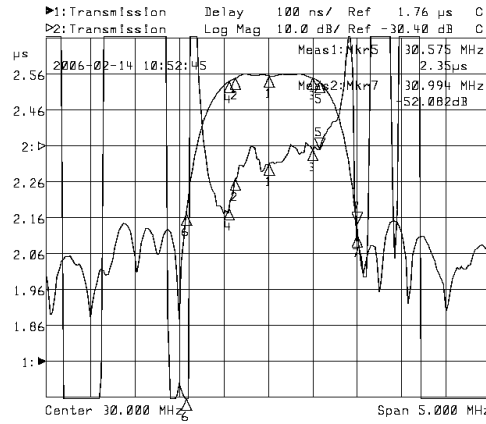
Part Number 030010L

Typical Performance



Horizontal: 0.5MHz/Div

Vertical: 10dB/Div&0.5dB/Div



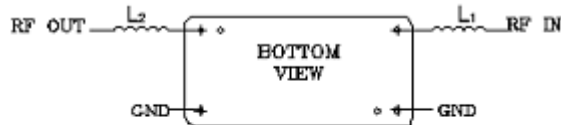
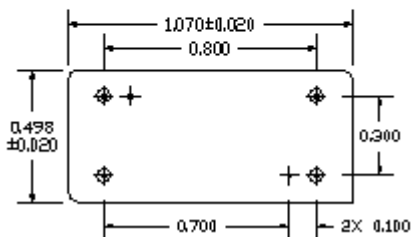
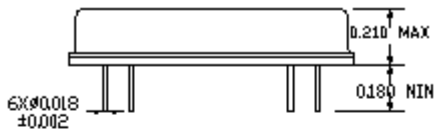
Horizontal: 0.5MHz/Div

Vertical: 10dB/Div&100nsec/Div

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	29.90	30.00	30.10
Insertion Loss at F ₀	dB		12.00	14.00
1 dB Bandwidth	MHz	0.86	0.90	
3 dB Bandwidth	MHz	1.06	1.10	
40dB Bandwidth	MHz		1.92	1.98
Passband Variation	dB		0.60	0.80
Group Delay Variation	nsec		180	220
Absolute Delay	usec		2.33	
Ultimate Rejection	dB	40	42	
Substrate Material	-		LiTaO3	
Ambient Temperature	°C	-40	25	80

Package



L1: 270nH L2: 270nH
 Source/Load Impedance=50ohm
 Package stgle X0