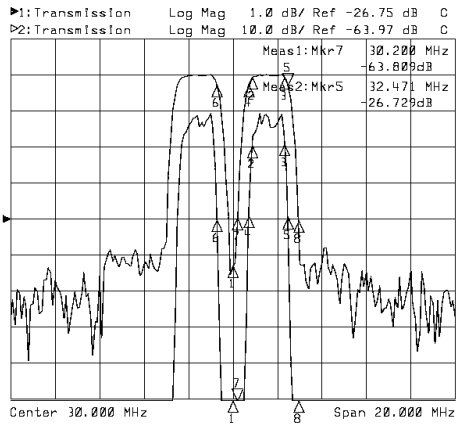


30MHz Pitfall Filter

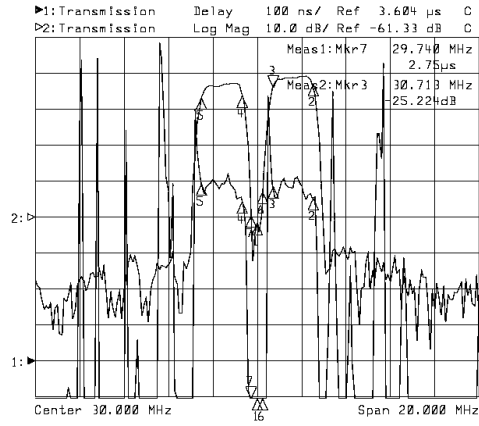
Part Number S030050

Typical Performance



Horizontal: 2MHz/Div

Vertical: 1dB/Div & 10dB/Div



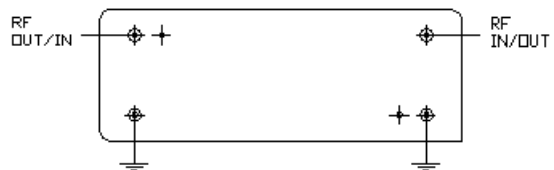
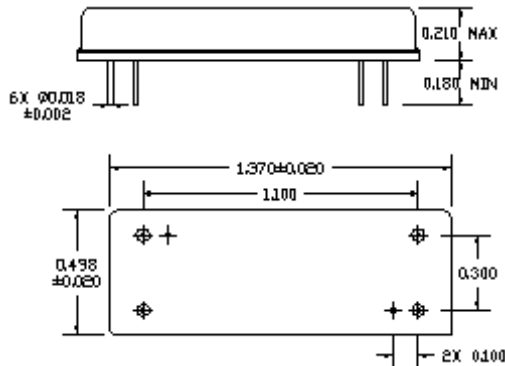
Horizontal: 2MHz/Div

Vertical: 100nsec/Div & 10dB/Div

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	29.90	30.00	30.10
Insertion Loss at F0	dB		25.00	26.00
1 dB Bandwidth	MHz	4.52	4.65	
3 dB Bandwidth	MHz	4.92	4.96	
40dB Bandwidth	MHz		5.92	5.99
Passband Variation	dB		1.00	1.20
@30MHz Rejection	dB		50.00	51.10
Group Delay Variation	nsec		50	80
Absolute Delay	usec		2.50	2.53
Ultimate Rejection	dB	48	50	
Substrate Material	-		128LiNbO3	
Ambient Temperature	°C	-40	25	80

Package



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