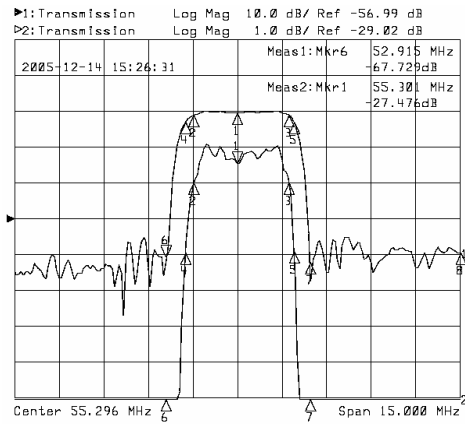


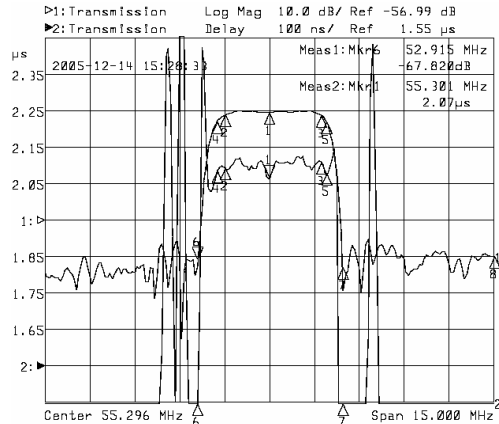
# 55.296 MHz Standard Filter

## Part Number 55296B

### Typical Performance



Horizontal: 1.5MHz/Div  
Vertical: 10dB/Div

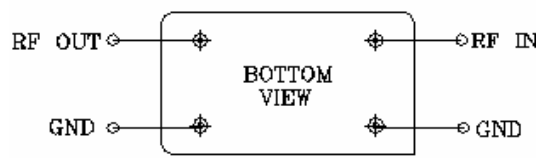
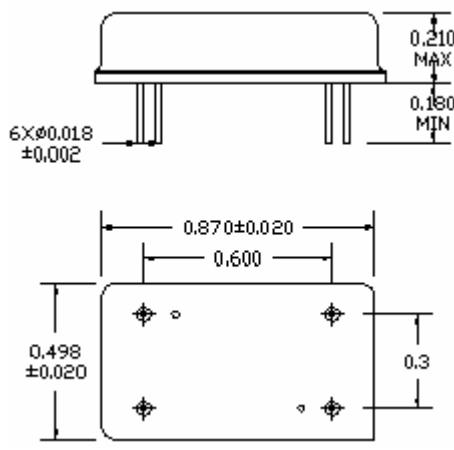


Horizontal: 1.5MHz/Div  
Vertical: 100ns/Div

### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	55.096	55.296	55.496
Insertion Loss at F <sub>0</sub>	dB	26.5	27.5	29.0
1 dB Bandwidth	MHz	3.0	3.2	
3 dB Bandwidth	MHz	3.6	3.7	
40dB Bandwidth	MHz		4.8	4.9
Passband Variation	dB		0.8	1
Group Delay Variation	nsec		80	100
Absolute Delay	usec		2.07	
Ultimate Rejection	dB	38	40	
Substrate Material	-		112LiTaO <sub>3</sub>	
Ambient Temperature	°C	-40	25	85

### Package XI



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