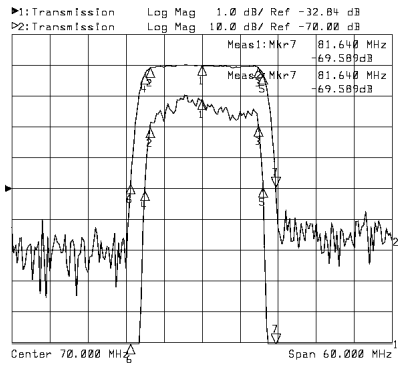
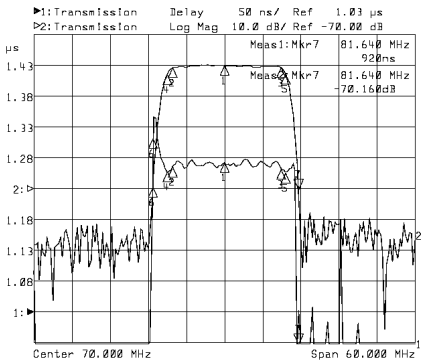
Tel : +44 118 979 1238
Fax : +44 118 979 1283
Email: info@actcrystals.com

70 MHz Standard Filter for Base Station application.
Part Number ACTF070188/PK11

Typical Performance



Horizontal: 6MHz/Div
Vertical: 10dB/Div



Horizontal: 6MHz/Div
Vertical: 50nsec/Div

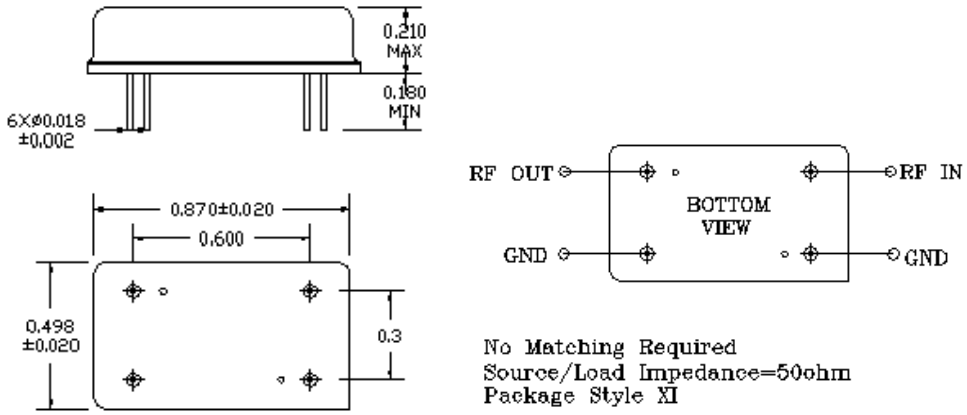
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Centre Frequency	MHz	69.80	70.0	70.20
Insertion Loss at F_0	dB		30.0	
1 dB Bandwidth	MHz		17.70	
3 dB Bandwidth	MHz		18.66	
40dB Bandwidth	MHz		23.10	
Passband Variation	dB		0.6	0.9
Phase Linearity	Deg			
Group Delay Variation	nsec		30.0	
Absolute Delay	usec		1.28	
Ultimate Rejection	dB		50	
Substrate Material	-		128$LiNbO_3$	
Ambient Temperature	°C		25	

In keeping with our ongoing policy of product evolvement and improvement, the above specification is subject to change without notice.

Tel : +44 118 979 1238
Fax : +44 118 979 1283
Email: info@actcrystals.com

Package



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling!

1. Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture that is connected to a 50Ω test system with VSWR ≤1.2:1. The test fixture L and C are adjusted for minimum insertion loss at the filter centre frequency, f_C. Note that insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality.
2. Unless noted otherwise, specifications apply over the entire specified operating temperature range.
3. The specifications of this device are based on the test circuit shown above and subject to change or obsolescence without notice.
4. All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
5. Our liability is only assumed for the Surface Acoustic Wave (SAW) component(s) per se, not for applications, processes and circuits implemented within components or assemblies.