

- 32MHz IF SAW Filter
- 2.96MHz Bandwidth

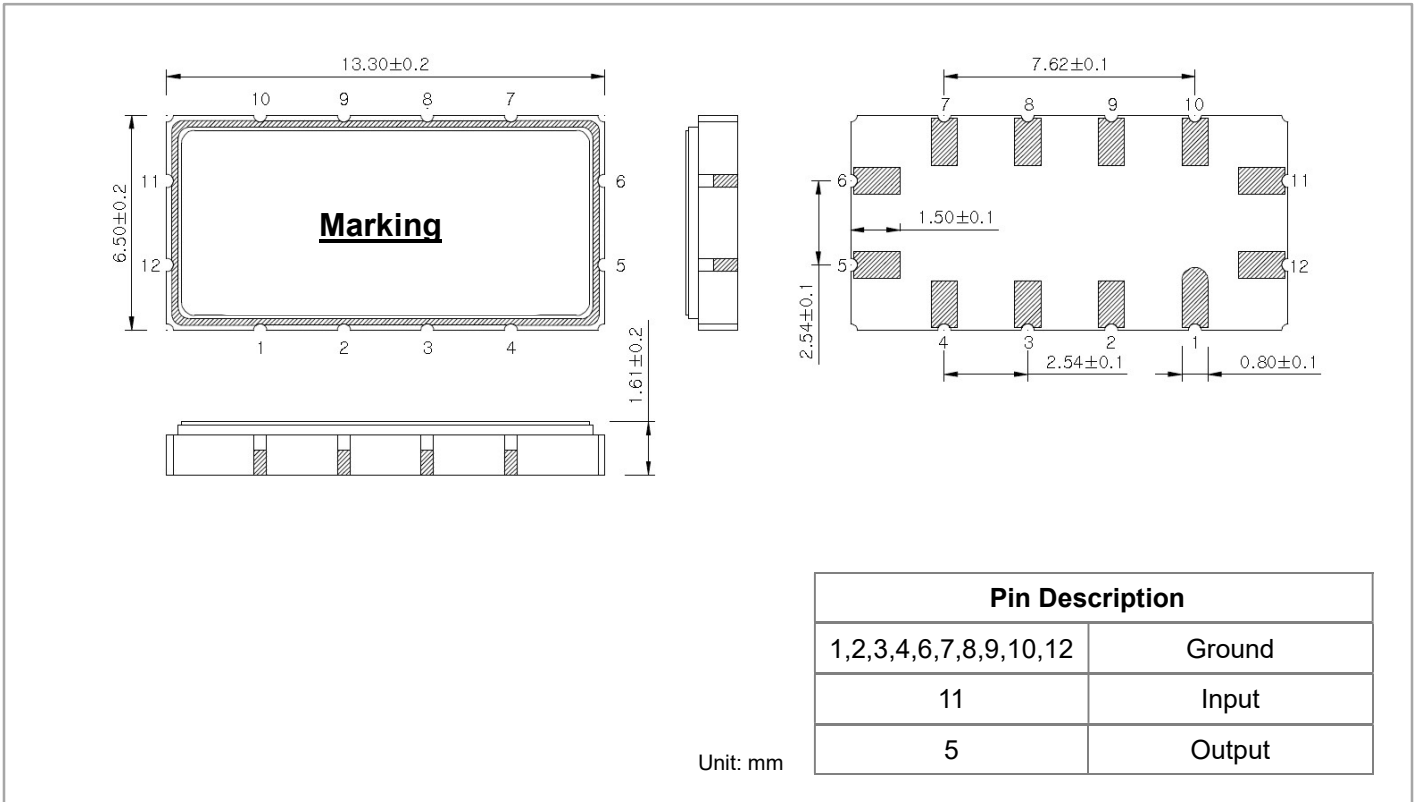
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	25	+80
Storage Temperature Range	°C	-30	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	V			
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	1.61	1.81

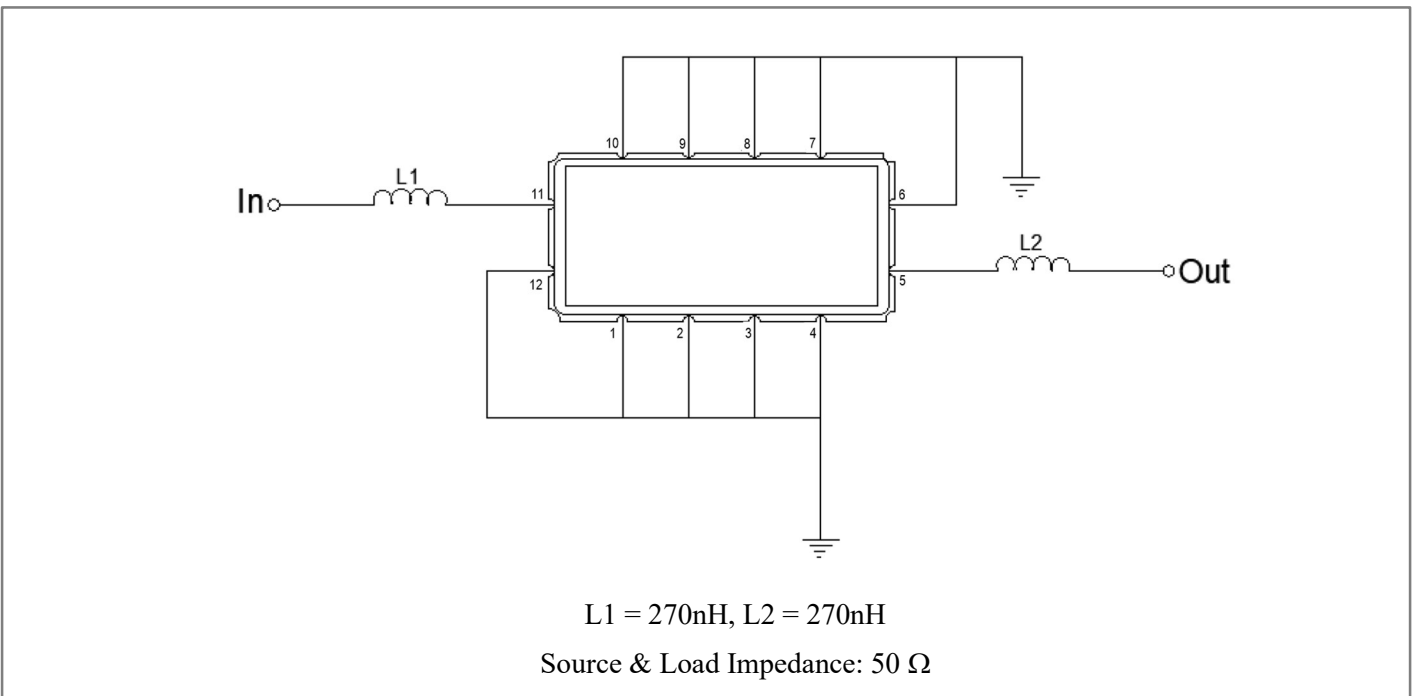
ELECTRICAL SPECIFICATION @ 25°C				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	32.0	-
Insertion Loss	dB	-	13.0	15.0
1dB Bandwidth	MHz	-	2.96	-
3dB Bandwidth	MHz	3.00	3.44	-
30dB Bandwidth	MHz	-	5.10	5.90
Passband Ripple within 30.9~33.1 MHz	dB	-	0.5	1.0
Group Delay Variation within 30.9~33.1 MHz	nsec	-	60	150
Absolute Delay	usec	-	1.26	-
Ultimate Rejection	dB	37.0	42.0	-
Temperature Coefficient of Frequency	ppm/°C	-	-86	-

Notes: (1) with Matching Network (Ref. Testing Environment Circuit as shown below).

Package Dimensions

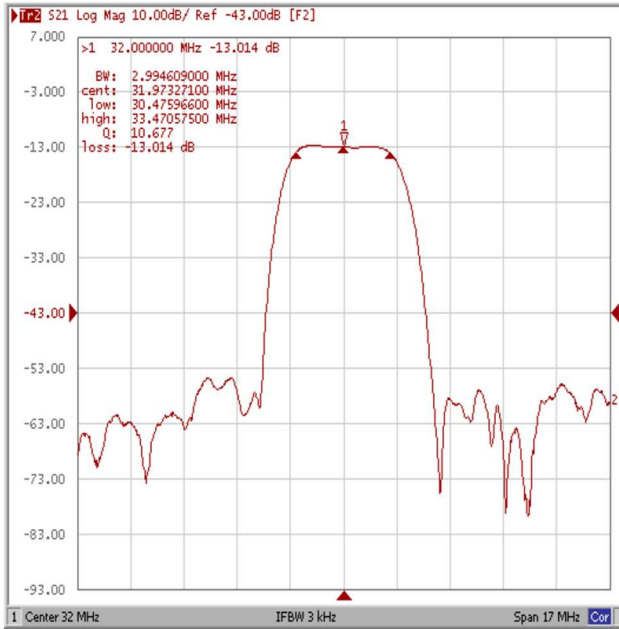


Testing Environment

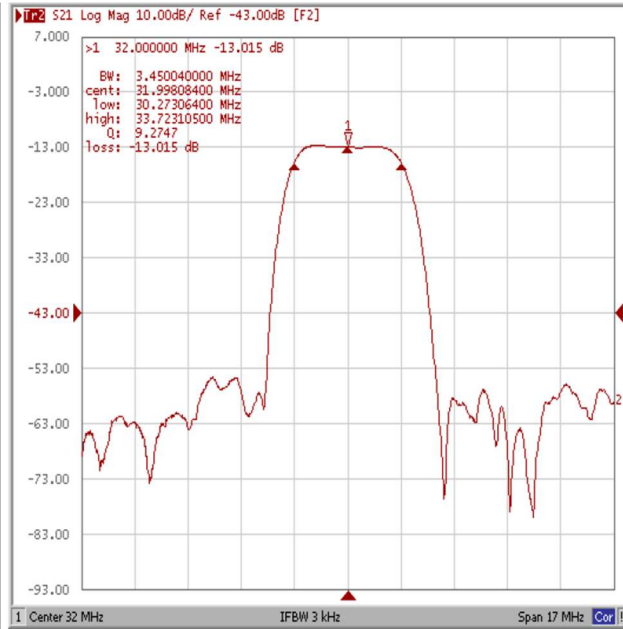


Frequency Characteristics

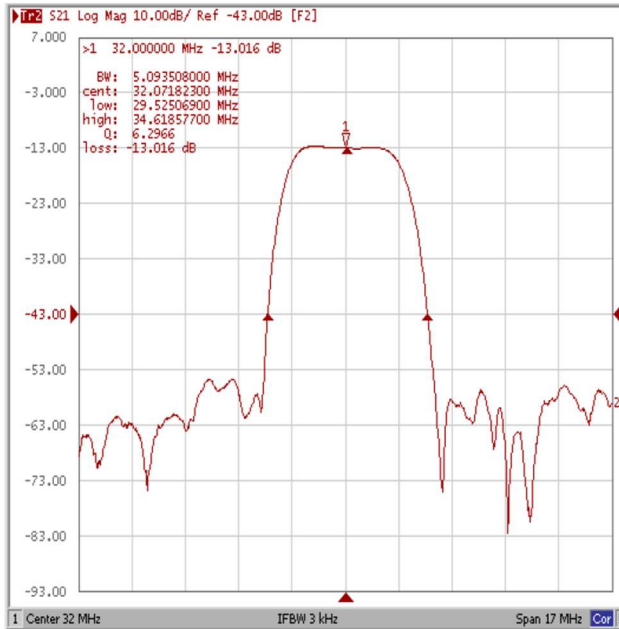
Bandwidth at -1.0 dB



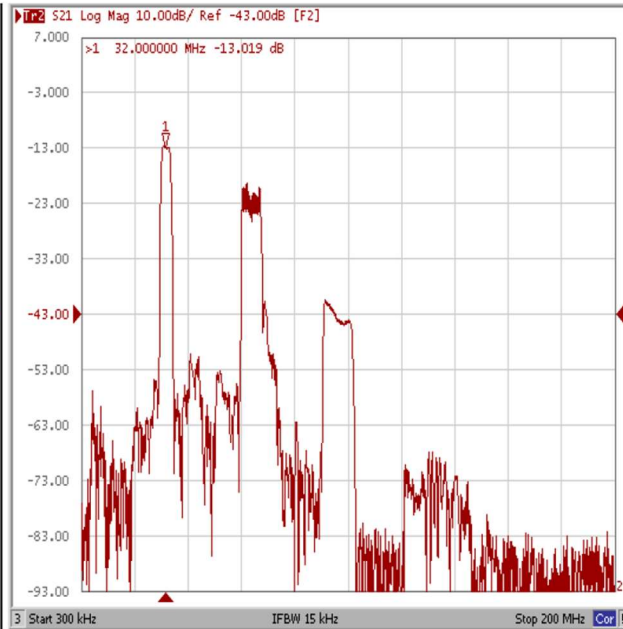
Bandwidth at -3.0 dB



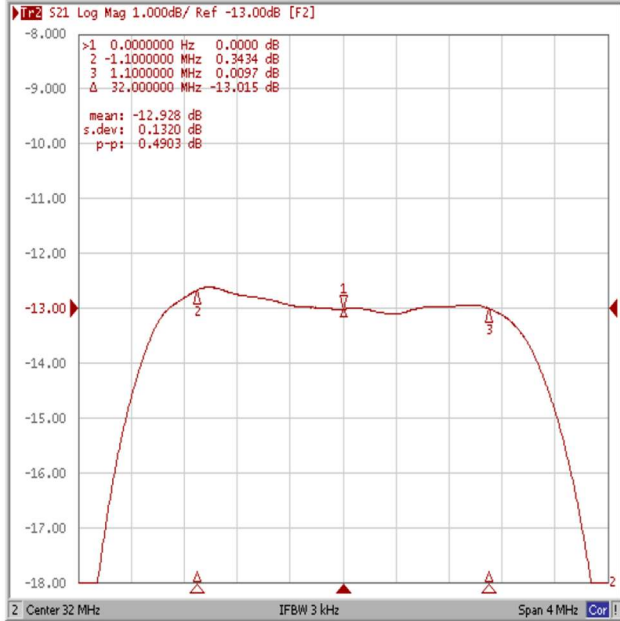
Bandwidth at -30 dB



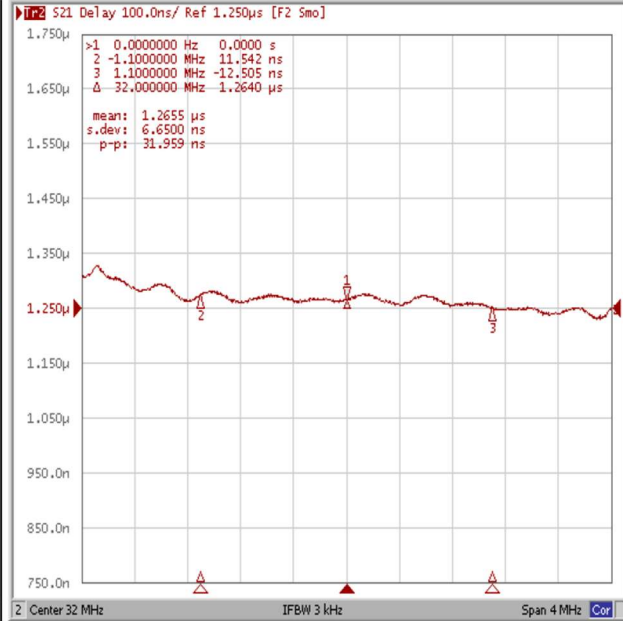
Wide band



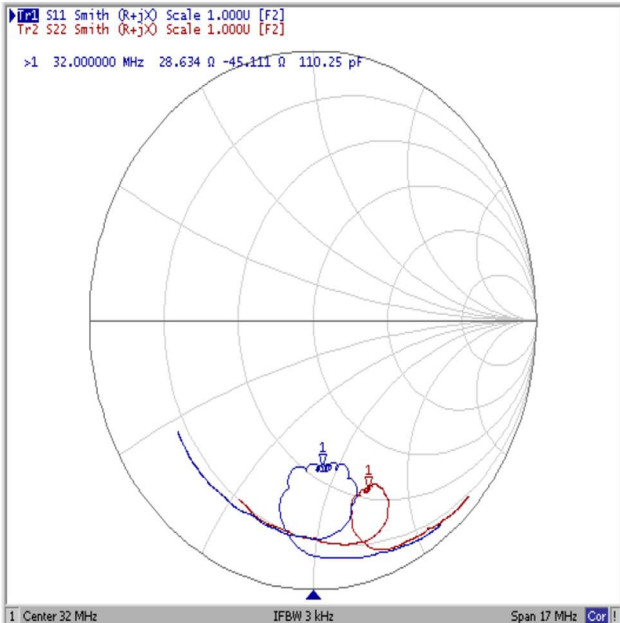
Ripple Variation Fo±1.1 MHz



Group Delay Variation Fo±1.1 MHz



Smith Chart



VSWR

