

- 120.00 MHz IF SAW Filter / 20.10 MHz Bandwidth
- Revision 0: 23 Jun. 2008

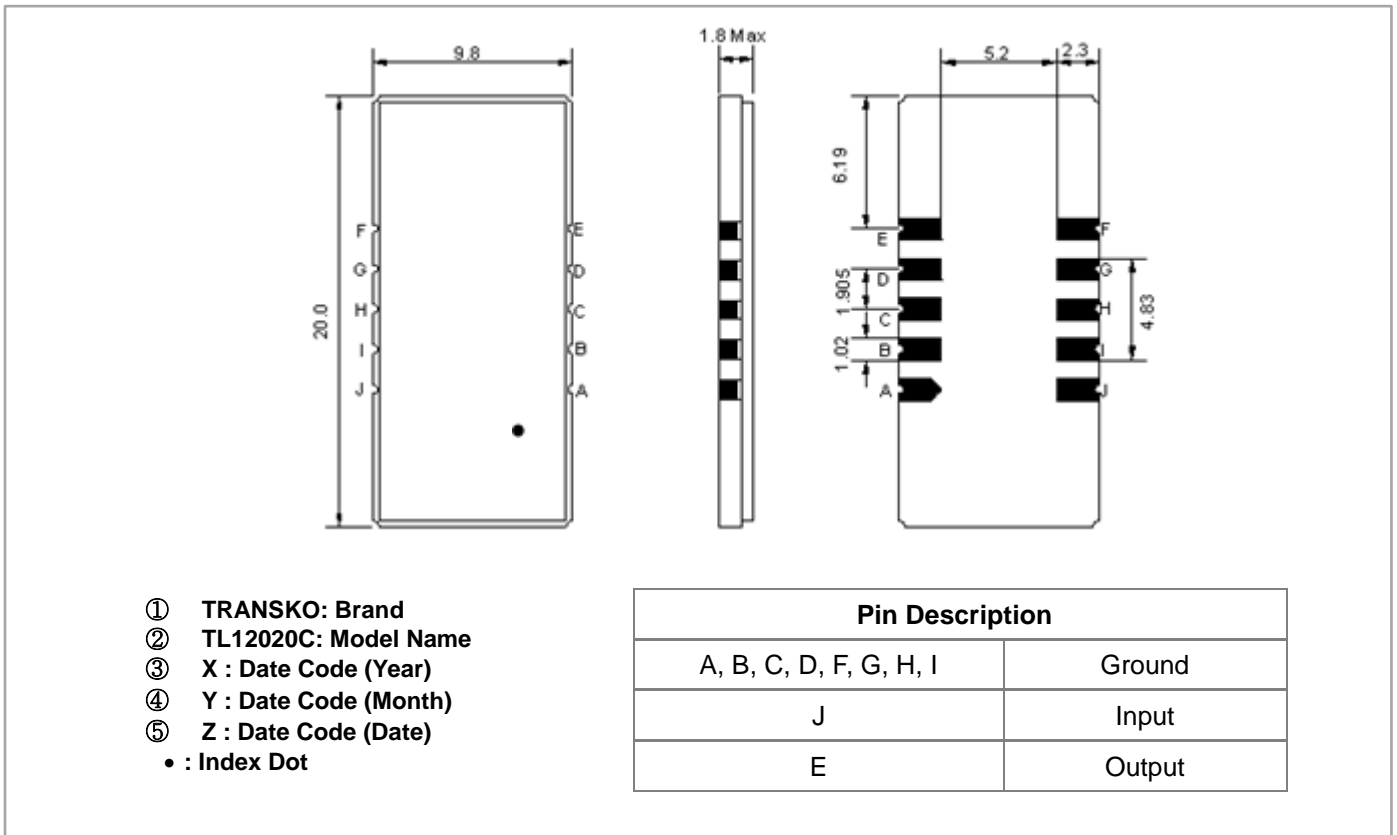
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	0	-	60
Storage Temperature Range	°C	-30	-	80
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	D1			
Length x Width	mm ²	-	20.0 x 9.8	-
Height	mm	-	-	1.8

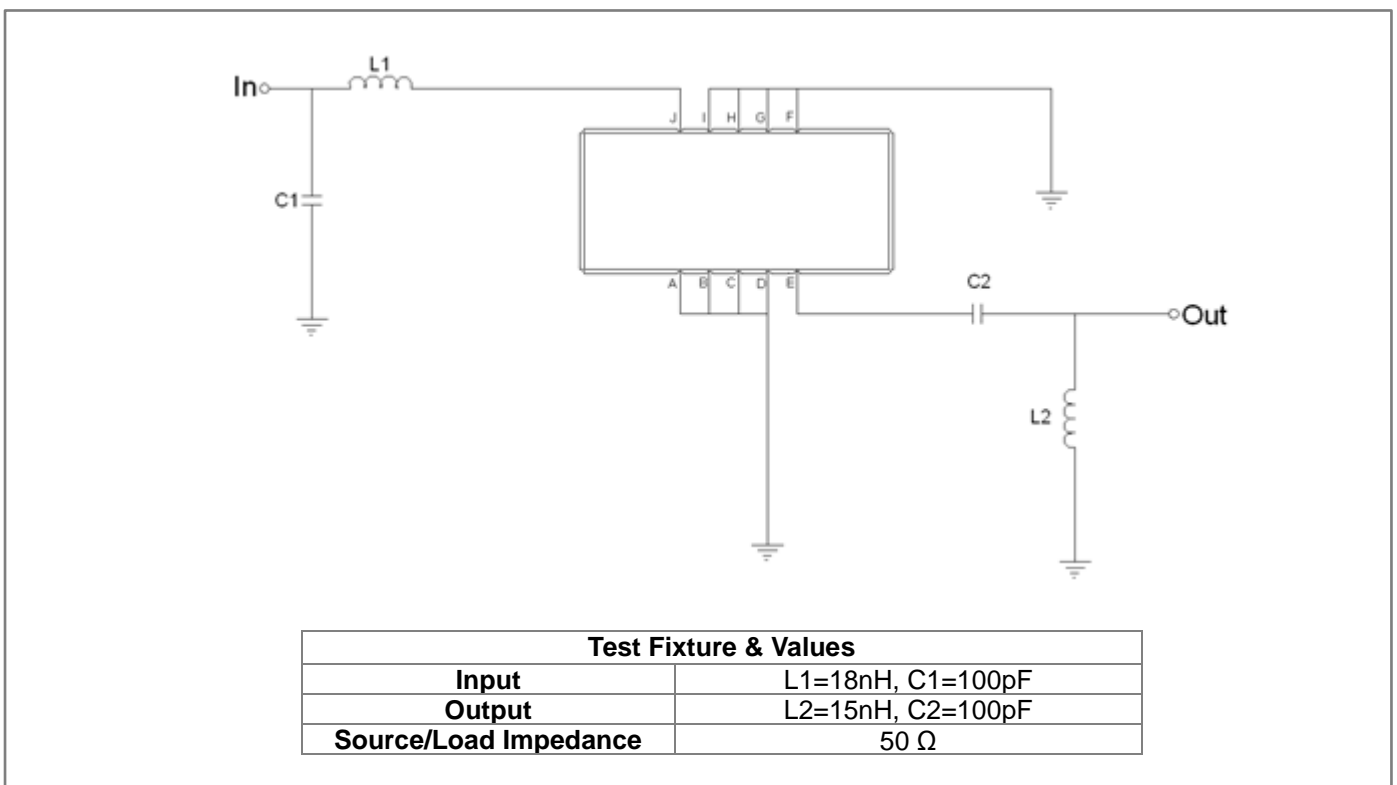
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	119.90	120.00	120.10
Insertion Loss at Fo	dB	-	15.0	17.0
Group Delay Variation (Fo±9.65MHz)	ns	-	80	150
Absolute Delay	us	-	1.52	-
Passband Ripple (Fo±9.65MHz)	dB	-	0.60	1.00
Bandwidth at -1dB	MHz	19.80	20.10	-
Bandwidth at -3dB	MHz	-	20.57	-
Bandwidth at -20dB	MHz	-	21.88	-
Bandwidth at -40dB	MHz	-	22.54	22.80
Ultimate Rejection	dB	-	45	-
Temperature coefficient	ppm/°C	-	-86	-

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



Testing Environment

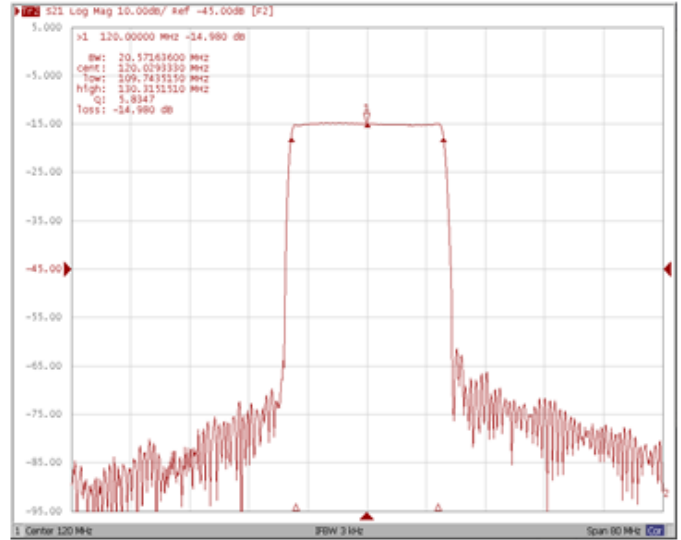
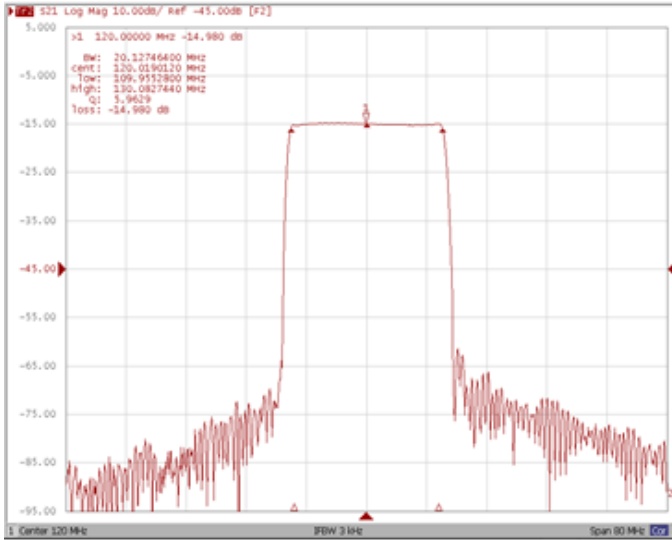


Frequency Characteristics

Frequency Response

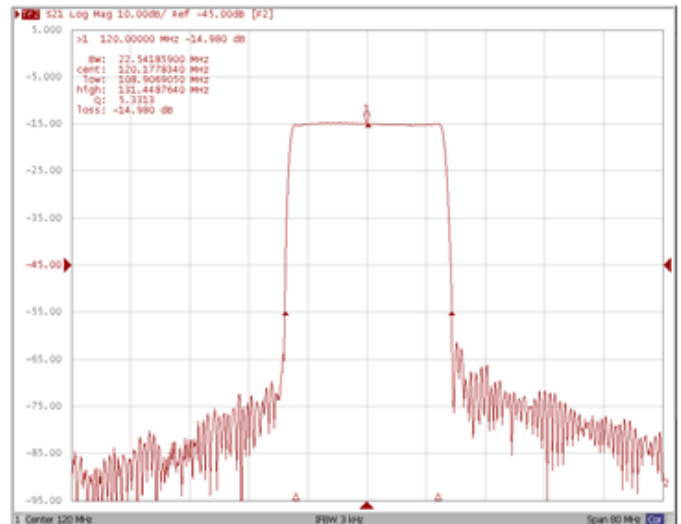
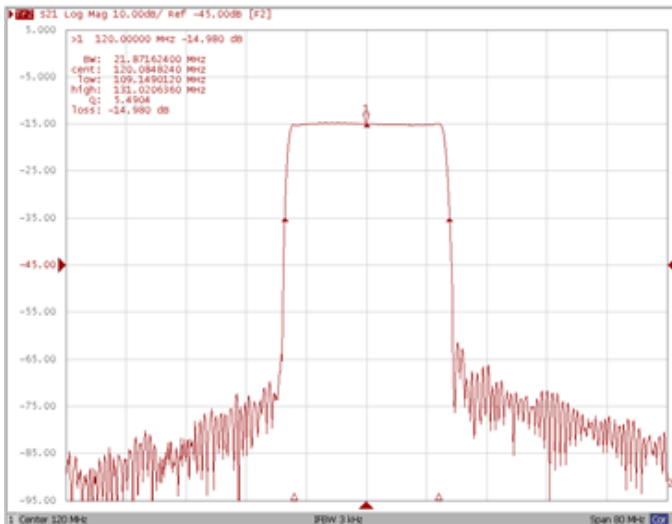
Bandwidth at -1.0 dB

Bandwidth at -3.0 dB



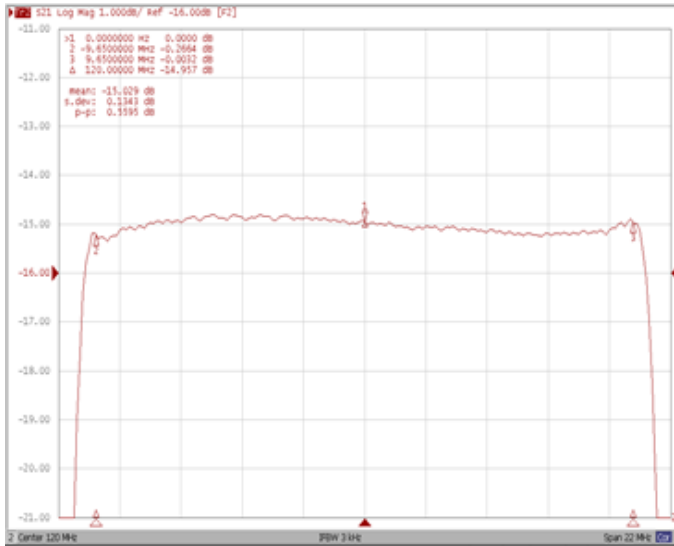
Bandwidth at -20.0 dB

Bandwidth at -40.0 dB

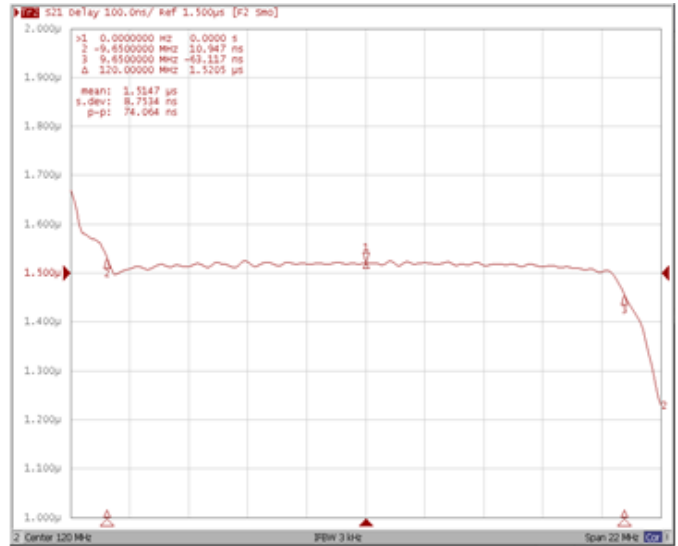


Frequency Response

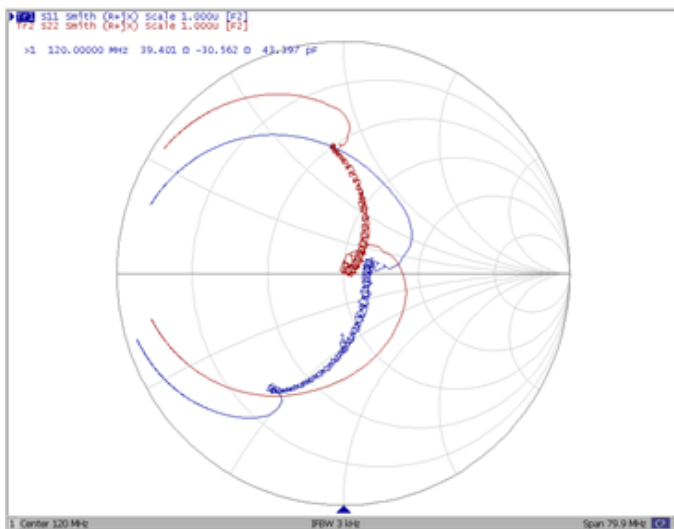
Ripple Variation Fo±9.65MHz



Group Delay Variation Fo±9.65MHz



Smith Chart



VSWR

