- **132.60 MHz IF SAW Filter / 4.28 MHz Bandwidth**
- **Revision 0: October 2013**

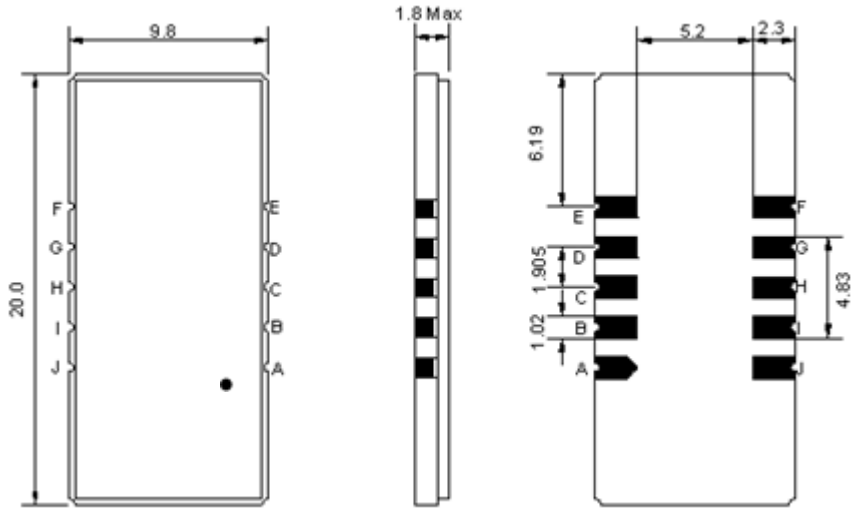
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operation Temperature Range	°C	-	25	-
Storage Temperature Range	°C	-40	-	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	SC0			
Length x Width	mm²	-	20.0 x 9.8	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	132.60	-
Insertion Loss at Fo	dB	-	23.5	25.0
Group Delay Variation at Fo ± 1.92 MHz	nsec	-	150	300
Absolute Delay at Fo	usec	-	2.30	-
Passband Ripple Variation at Fo ± 1.92 MHz	dB	-	0.4	1.0
Bandwidth at -1dB	MHz	4.10	4.28	-
Bandwidth at -3dB	MHz	-	4.54	-
Bandwidth at -45dB	MHz	-	5.73	6.00
Ultimate Rejection	dB	45	50	-
Temperature Coefficient	ppm/°C	-	-0.03	-

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.

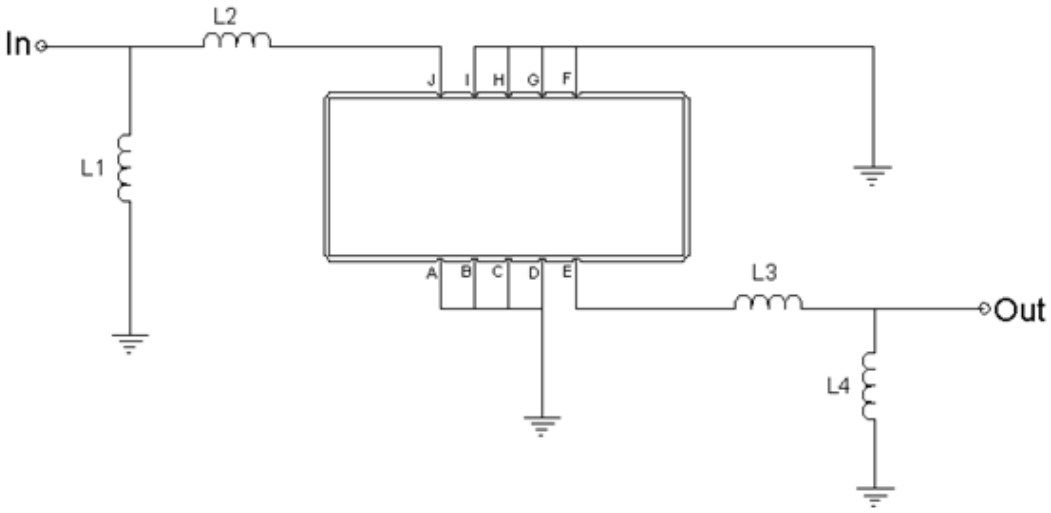
Package Dimensions



① TRANSKO: Brand
② TF-013201: Model Name
③ X : Date Code (Year)
④ Y : Date Code (Month)
⑤ Z : Date Code (Date)
• : Index Dot

Pin Description	
A, B, C, D, F, G, H, I	Ground
J	Input
E	Output

Testing Environment



Test Fixture & Values	
Input	L1 = 39nH, L2 = 82nH
Output	L3 = 68nH, L4 = 47nH
Source/Load Impedance	50 Ω

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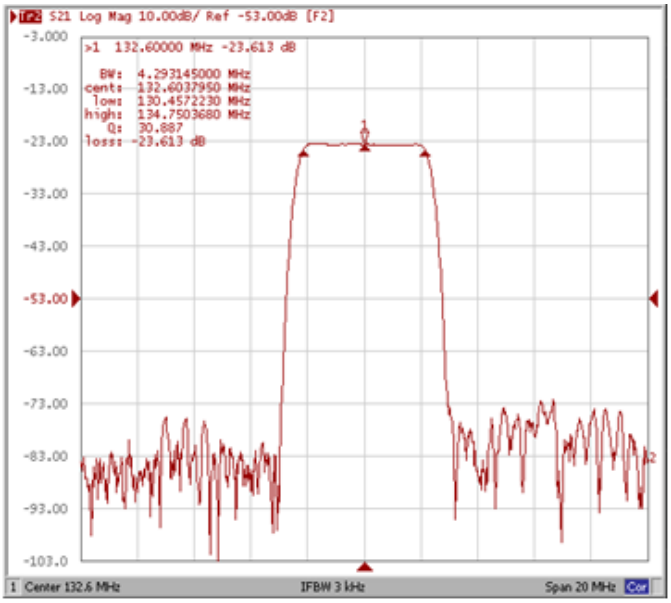
Frequency Characteristics

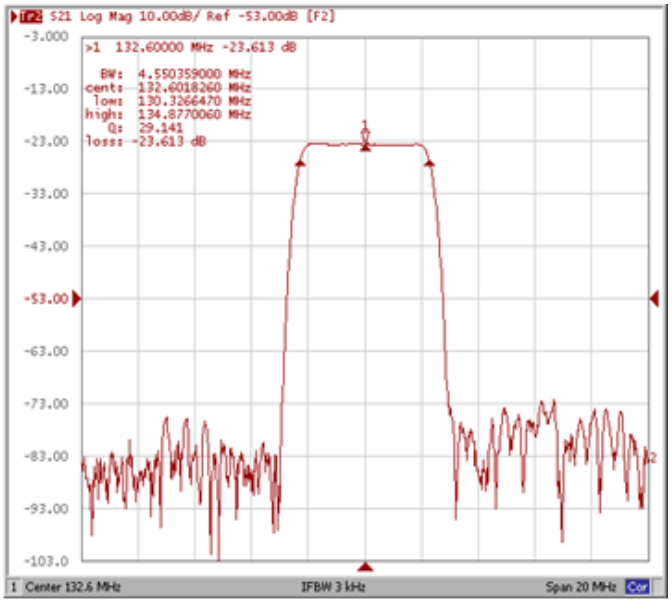
Frequency Response

Operating Temperature: +25°C

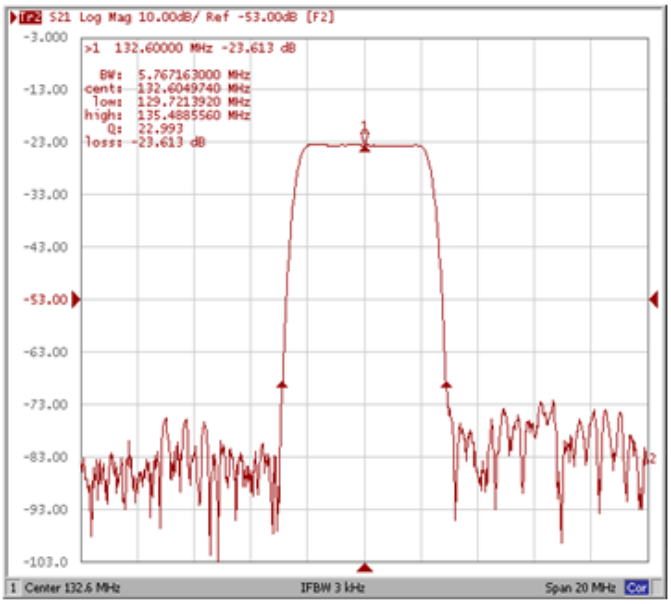
Bandwidth at –1.0 dB



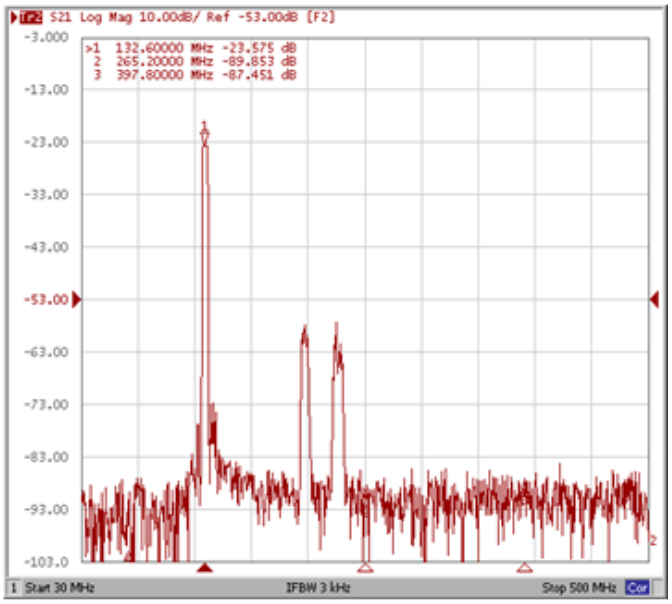
Bandwidth at –3.0 dB



Bandwidth at –45.0 dB

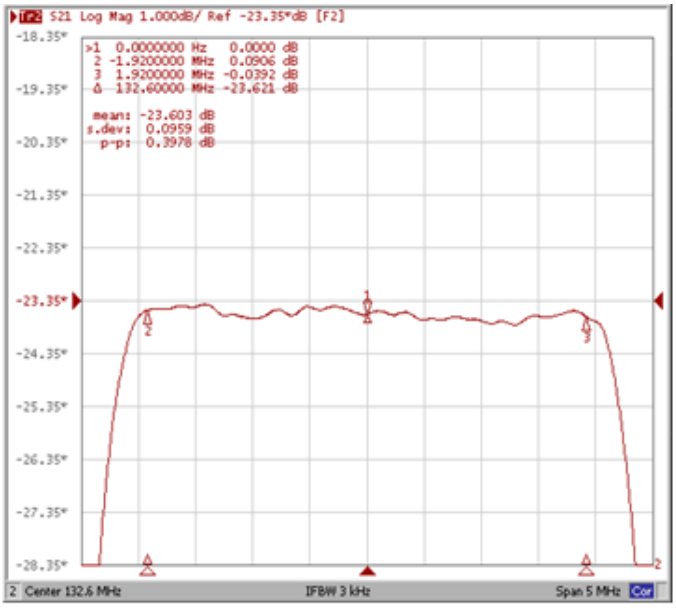


Wide-Band

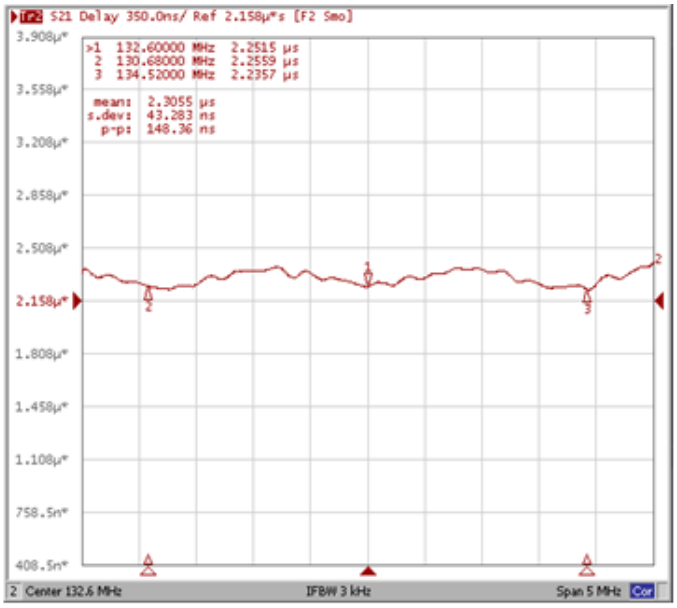


Frequency Response

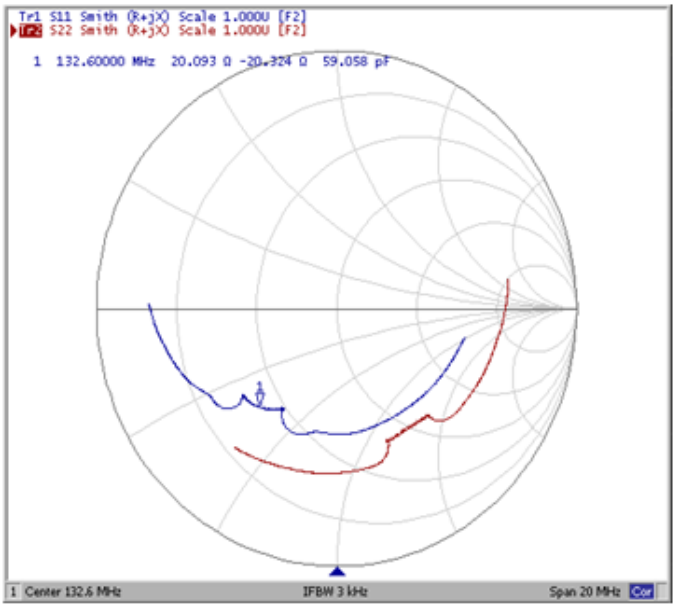
Ripple Variation Fo±1.92MHz



Group Delay Variation Fo±1.92MHz



Smith Chart



VSWR