

- 265.0 MHz IF SAW Filter / 30.21 MHz Bandwidth
- Revision 0: 20. Oct. 2009

Electrical Characteristics

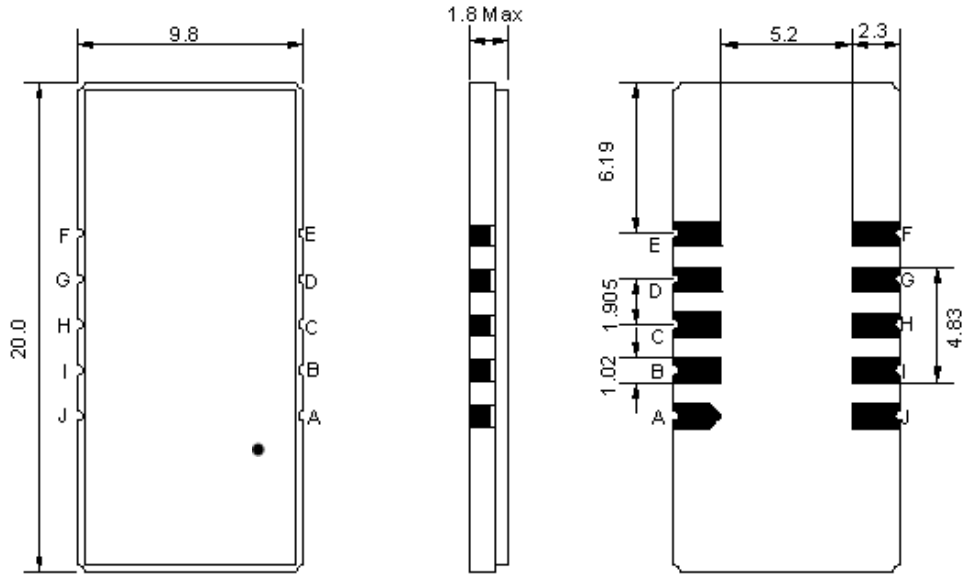
MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	0	25	60
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	D1			
Length x Width	mm ²	-	20.0 x 9.8	-
Height	mm	-	-	1.8

*Room Temperature : +25°C

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	265.0	-
Insertion Loss at Fo	dB	-	33.10	34.50
Group Delay Variation (Fo±14.52MHz)	nsec	-	40	80
Absolute Delay at Fo	usec	-	2.86	-
Passband Ripple Variation (Fo±14.52MHz)	dB	-	0.72	1.0
Bandwidth at -1dB	MHz	30.00	30.21	-
Bandwidth at -3dB	MHz	-	30.49	-
Bandwidth at -20dB	MHz	-	31.31	-
Bandwidth at -40dB	MHz	-	31.72	31.90
Relative Attenuation				
Lower Sidelobe	dB	48	55	-
Upper Sidelobe	dB	48	55	-
Temperature Coefficient	ppm/°C	-	-20	-

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.

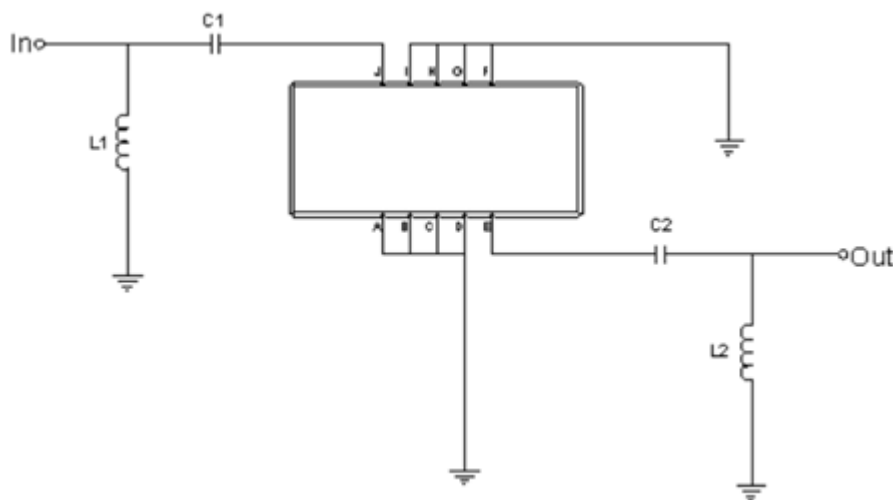
Package Dimensions



- ① **TRANSKO:** Brand
- ② **TA26530A:** 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



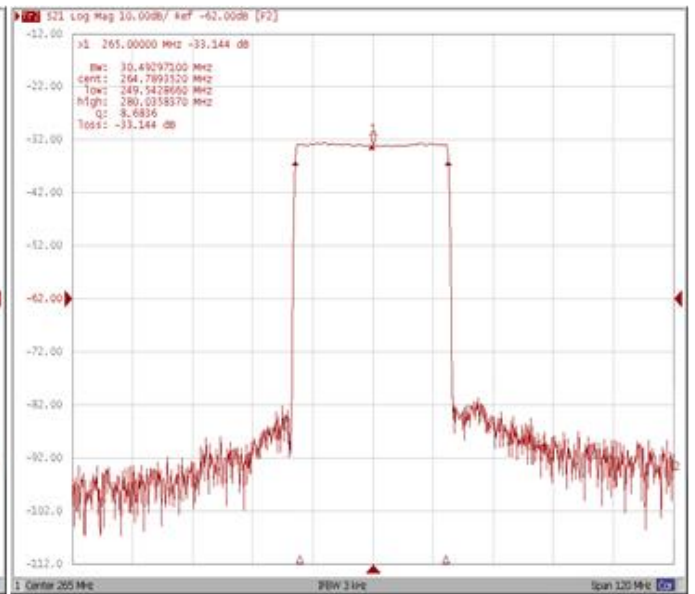
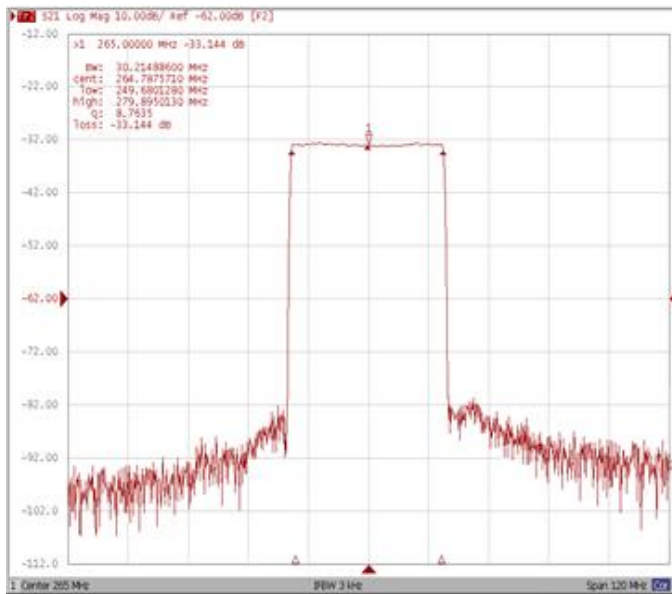
Test Fixture & Values	
Input	L1 = 12 nH, C1=75pF
Output	L2 = 8.2 nH, C1=150pF
Source/Load Impedance	50 Ω

Frequency Characteristics

Frequency Response

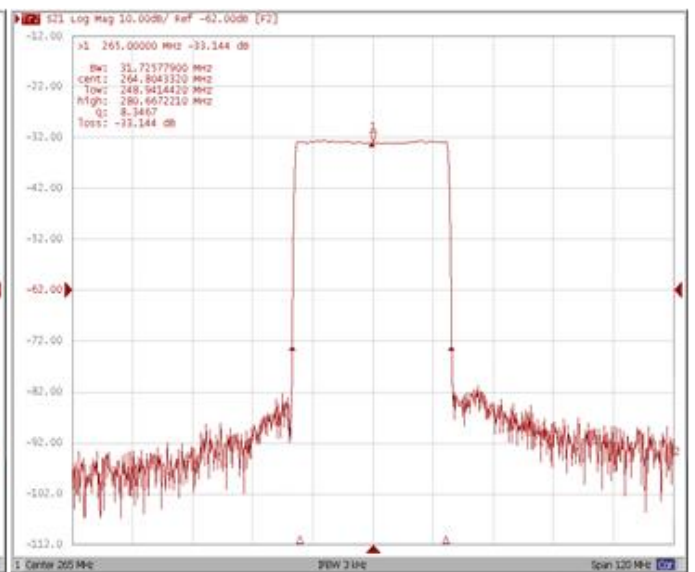
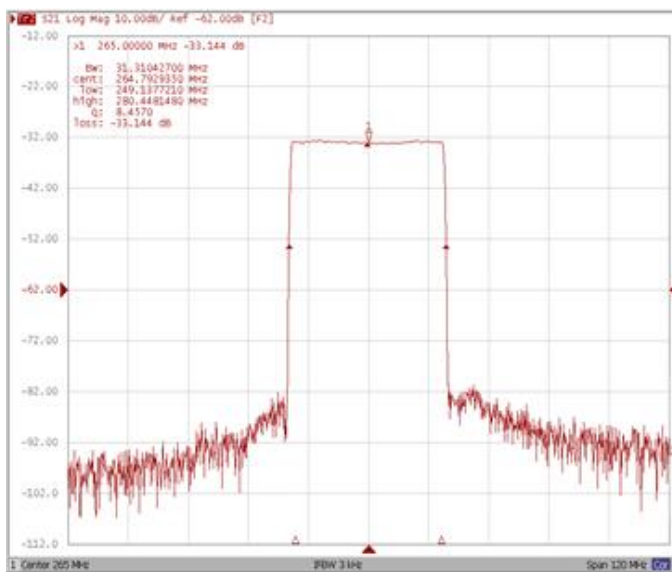
Bandwidth at -1.0 dB

Bandwidth at -3.0 dB



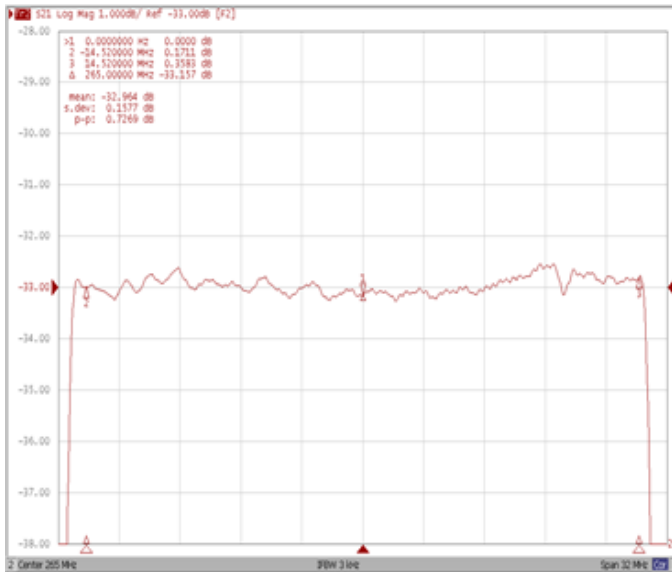
Bandwidth at -20.0 dB

Bandwidth at -40.0 dB

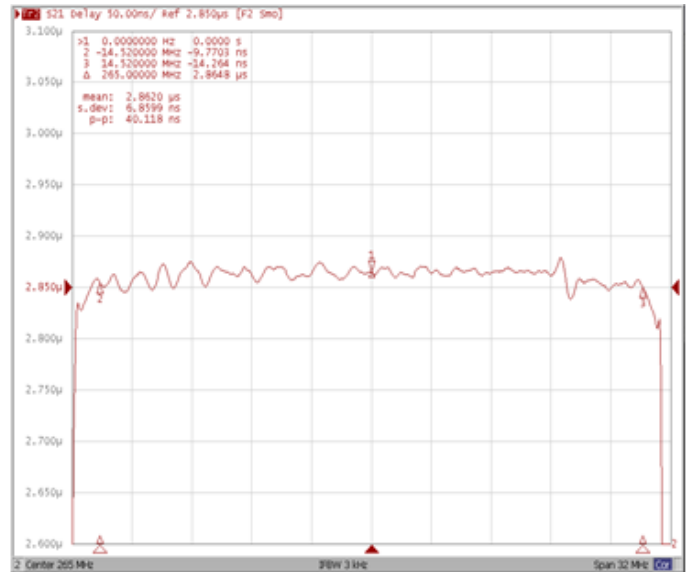


Frequency Response

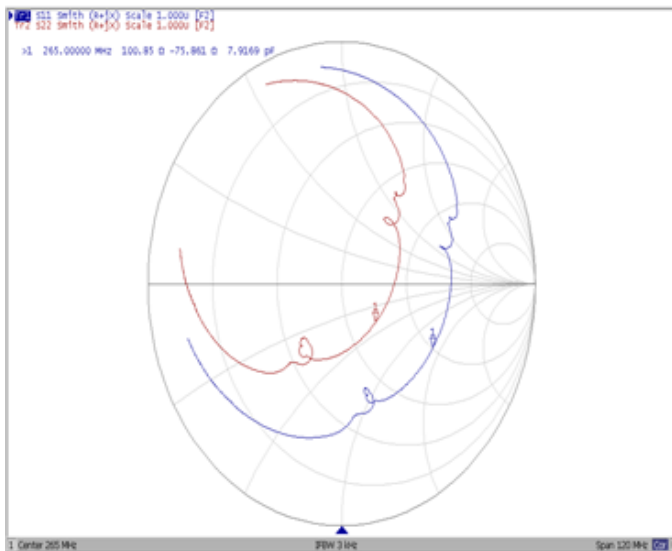
Ripple Variation Fo±14.52MHz



Group Delay Variation Fo±14.52MHz



Smith Chart



VSWR

