

- 140.0 MHz IF SAW Filter / 42.7 MHz Bandwidth
- Revision 0: Mar. 2016

Electrical Characteristics

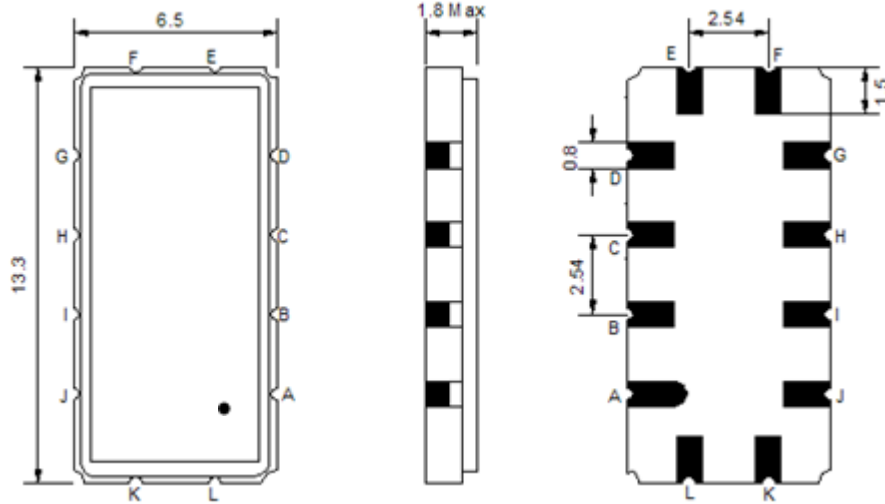
MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-30	-	85
Storage Temperature Range	°C	-40	-	85
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	V			
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION @ -30°C ~85°C				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	140.00	-
Insertion Loss at Fo	dB	-	17.00	19.5
Group Delay Variation at Fo ± 19.85 MHz	nsec	-	30	60
Absolute Delay at Fo	usec	-	0.85	-
Amplitude Ripple at Fo ± 19.85 MHz	dB	-	0.5	1.0
Bandwidth at -1dB	MHz	42.0	42.7	-
Bandwidth at -3dB	MHz	-	43.75	-
Bandwidth at -40dB	MHz	-	50.0	51.0
Ultimate Rejection	dB	40	45	-
Temperature Coefficient	ppm/°C	-	-86	-

ELECTRICAL SPECIFICATION @ 25°C				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Insertion Loss at Fo	dB	-	17.0	19.0
Group Delay Variation at Fo ± 20.55 MHz	nsec	-	30	60
Amplitude Ripple at Fo ± 20.55 MHz	dB	-	0.5	1.0
Relative Attenuation 10.0MHz ~60.0MHz	dB	55	60	-
60.0MHz ~ 113.0MHz	dB	50	55	-
168.0MHz ~ 250.0MHz	dB	40	45	-
250.0MHz ~ 300.0MHz	dB	45	50	-
390.0MHz ~ 450.0MHz	dB	40	45	-

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 **TA14042A: 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, G, H, I, J	Ground
K	Input
L	Input Return
E	Output
F	Output Return