Transko

TA120DD1

RoHS Compliant

- **120.0 MHz IF SAW Filter / 20.25 MHz Bandwidth**
- **Revision 1: 29. Oct. 2007**

Electrical Characteristics

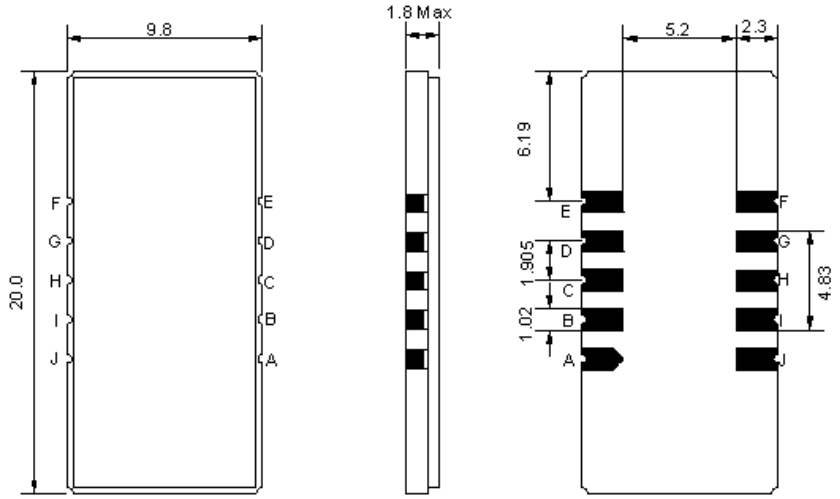
MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operation Temperature Range	°C	-30	-	80
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	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	120.00	120.10	120.20
Insertion Loss at Fo	dB	-	24.0	25.5
Amplitude Ripple Variation Fo ±9.75 MHz	dB_{p-p}	-	0.55	1.0
Group Delay Variation at Fo ±9.75 MHz	nsec	-	50	100
Absolute Delay at Fo	µsec	-	2.2	-
Temperature Coefficient	ppm/°C	-	-72	-
Bandwidth at –1.0 dB	MHz	-	20.25	-
Bandwidth at –3.0 dB	MHz	20.40	20.55	-
Bandwidth at –40.0 dB	MHz	-	21.85	21.98
Lower Sidelobe	dB	50	55	-
Upper Sidelobe	dB	50	55	-

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.

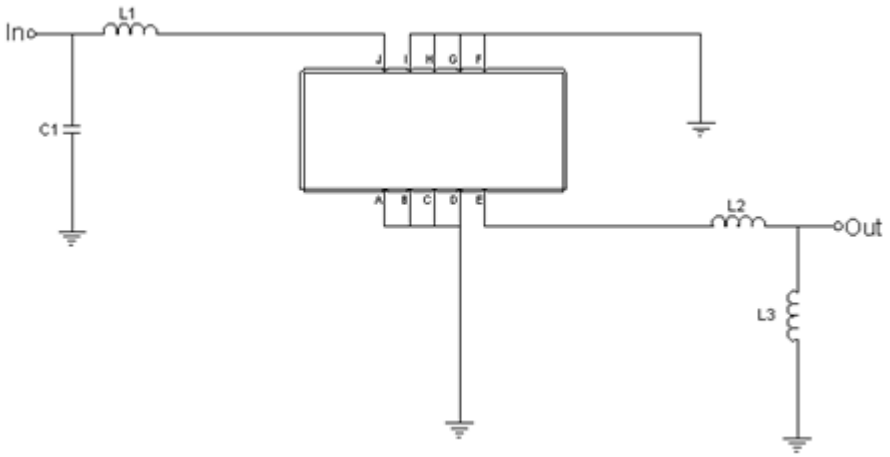
Transko Electronics, Inc. 3981 E. Miraloma Ave., Anaheim CA 92806 USA
Tel: 714-528-8000 Fax: 714-528-8017 Website: www.transko.com E-mail: sales@transko.com

Package Dimensions



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

Testing Environment



Test Fixture & Values	
Input	C1= 5 pF, L1= 56 nH
Output	L2= 5.6 nH, L3= 68 nH
Source/Load Impedance	50 Ω

Frequency Characteristics

Frequency Response