

A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 80°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	213.3	-
Insertion Loss, IL	dB	-	8.3	12.5
-3dB bandwidth	MHz	7.0	8.0	-
-10dB bandwidth	MHz	-	9.8	-
-30dB bandwidth	MHz	-	11.6	-
-40dB bandwidth	MHz	-	12.2	13.4
Passband Ripple Fc+/- 2MHz	dB	-	0.5	1.0
Group Delay variation Fc+/- 2MHz	nsec	-	70	120
Absolute Delay	unec	-	0.74	-
Attenuation (Reference level from minimum Insertion loss)				
DC ~ 193.3 MHz	dB	40	52	-
233.3 MHz ~ 600 MHz	dB	40	52	-
Temperature Coefficient	ppm/°C	-	-18	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. Frequency Characteristics :

(1) near band Response:(span 100MHz)

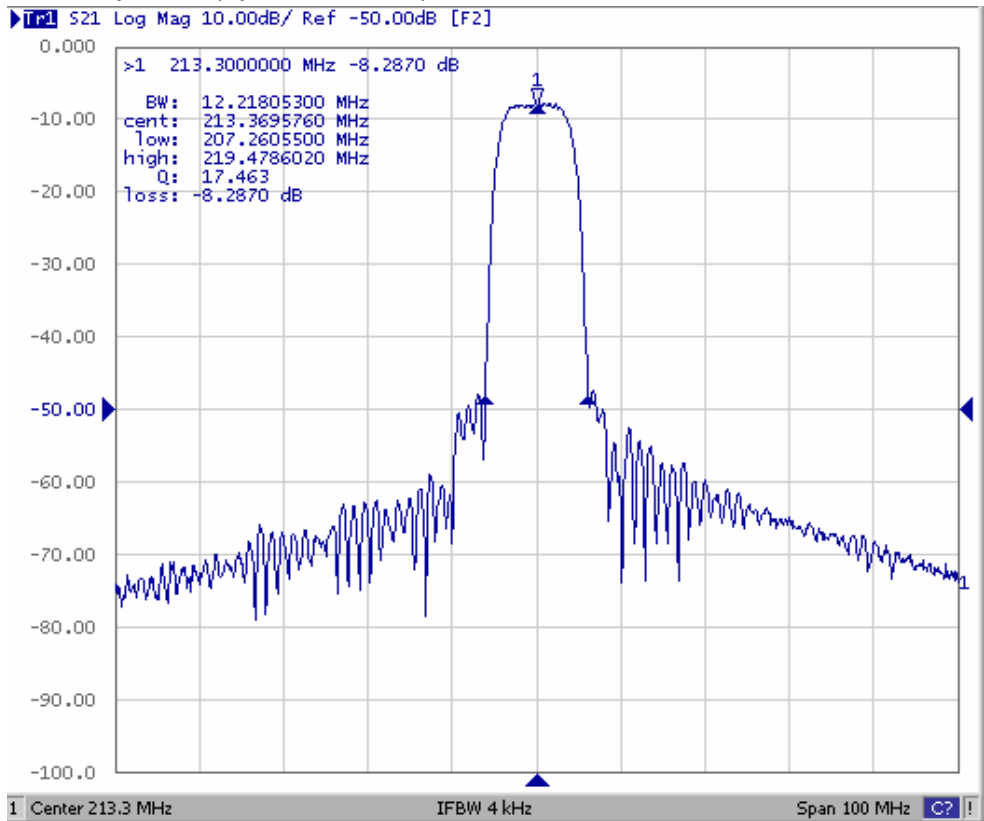


Fig1. Horizontal: 10MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Time Delay response:

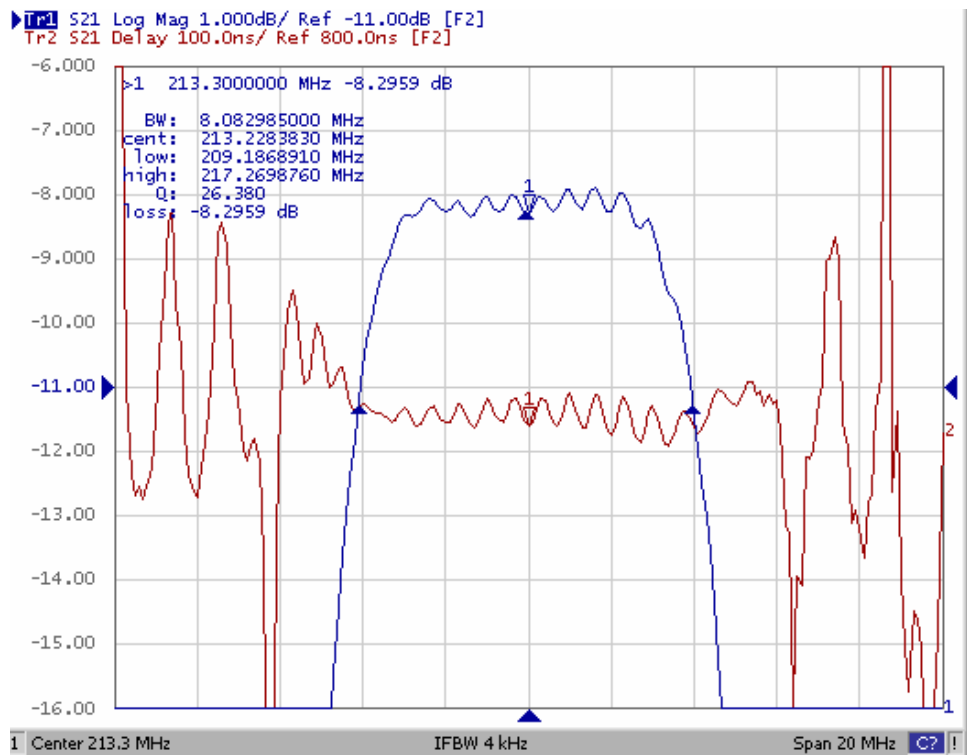
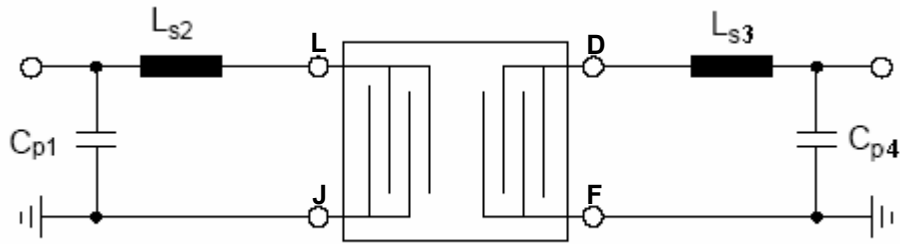


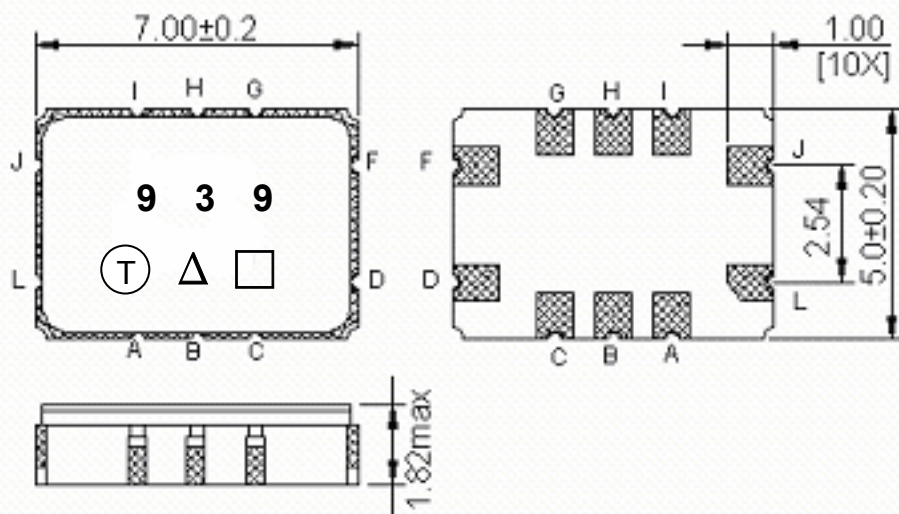
Fig2. Horizontal: 2MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

D. Matching Circuit:



$$L_{s2}=39\text{nH} \quad L_{s3}=43\text{nH} \quad C_{p1}=24\text{pF} \quad C_{p4}=24\text{pF}$$

E. Outline Drawing:



Pin L –RF input

Pin D –RF output

Pin A,B,C,F,G,H,I,J - Ground

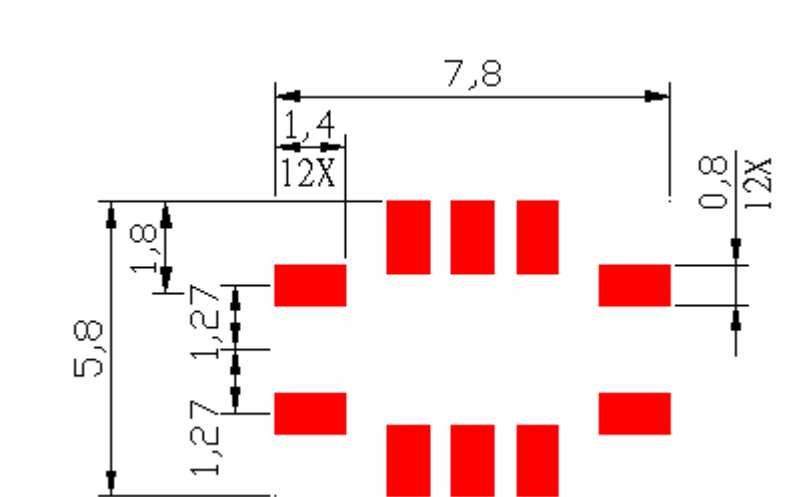
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

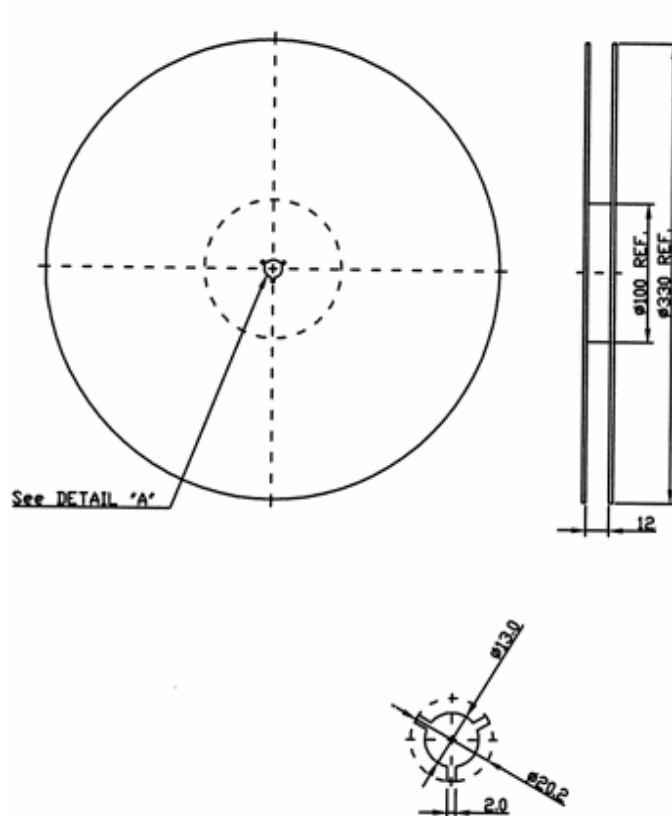
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

F. PCB Footprint:

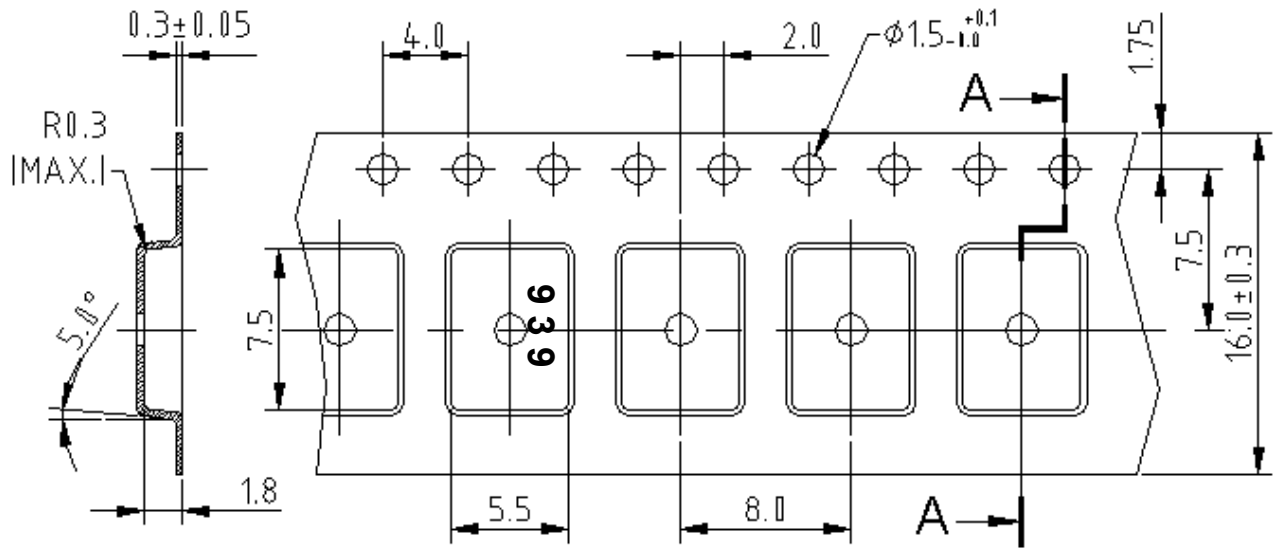


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

