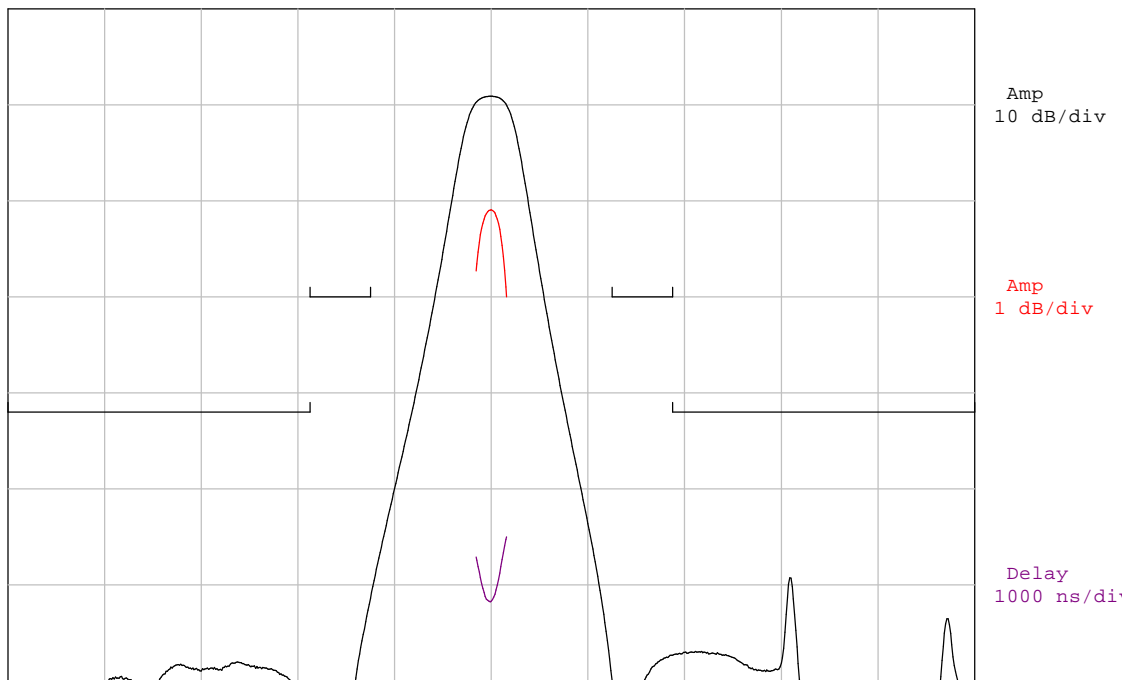




DESCRIPTION

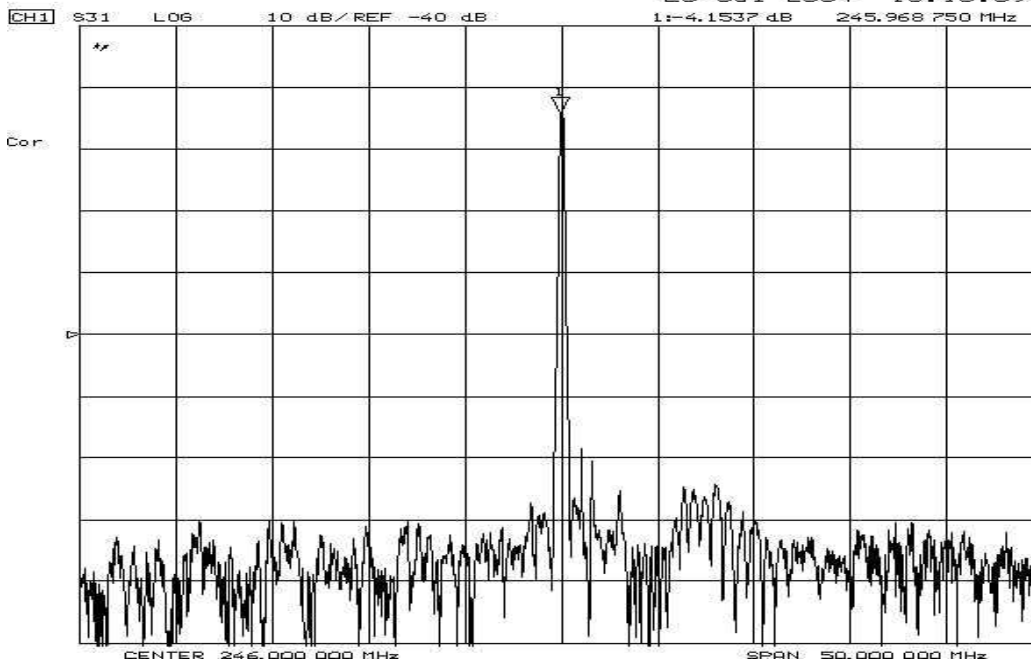
- Miniature 246 MHz SAW Filter with a 200 KHz typical 3dB bandwidth.
- 5 x 7 mm LCC package.
- RoHS compliant

TYPICAL PERFORMANCE



Center = 246 MHz, 0.32 MHz/div (4 kHz incr)

23 Jul 2004 13:10:39





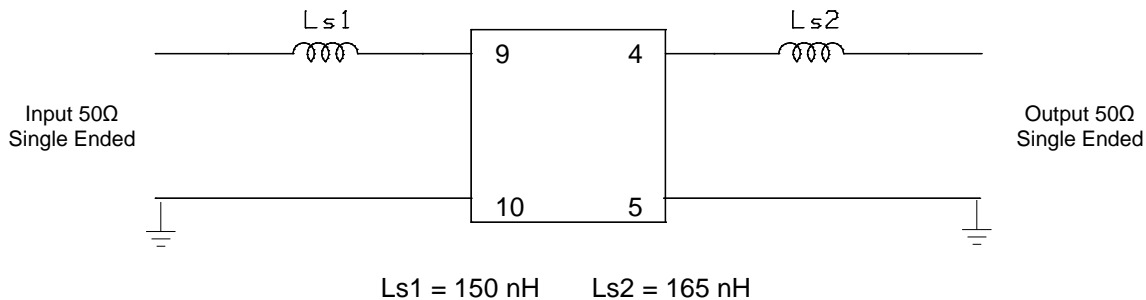
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency F_c	-	246	-	MHz
Minimum Insertion Loss ($F_c \pm 50\text{KHz}$) IL	-	5.4	6.5	dB
Passband Ripple ($F_c \pm 50\text{KHz}$)	-	1.3	2.0	dB
Group Delay Ripple ($F_c \pm 50\text{KHz}$)	-	0.65	3.0	μs
Attenuation (Reference level from min I.L.)				
$F_c - 25$ to $F_c - 1.6$ MHz	50	60	-	dB
$F_c - 1.6$ to $F_c - 0.6$ MHz	32	55	-	dB
$F_c - 0.6$ to $F_c - 0.4$ MHz	20	55	-	dB
$F_c + 0.4$ to $F_c + 0.6$ MHz	20	55	-	dB
$F_c + 0.6$ to $F_c + 1.6$ MHz	32	47	-	dB
$F_c + 1.6$ to $F_c + 25$ MHz	50	60	-	dB

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	+85	$^{\circ}\text{C}$
Operating Temperature Range	-20	+60	$^{\circ}\text{C}$
Input Power Level	-	10	dBm
DC Voltage	-	5	VDC

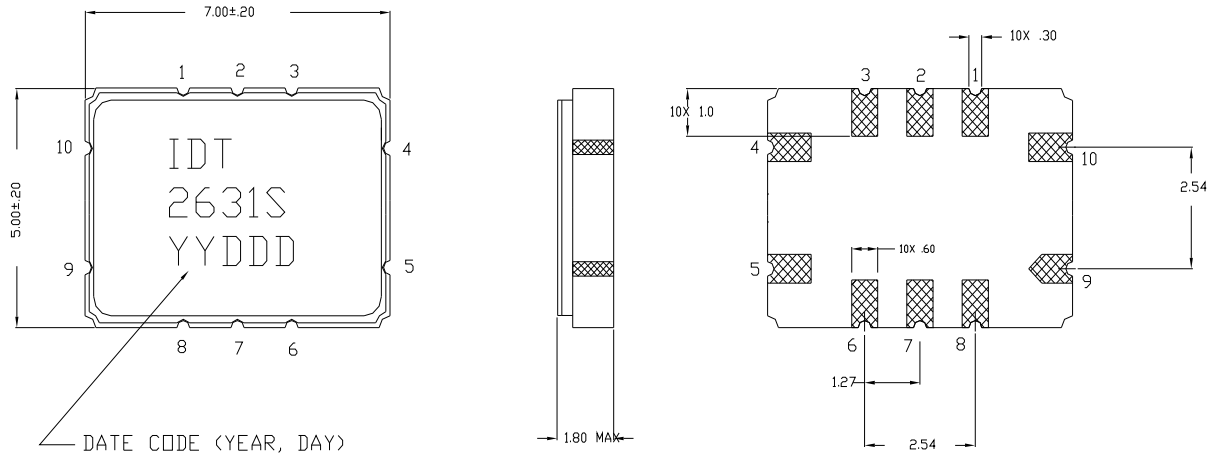
MATCHING CIRCUIT



Notes:

1. Recommend 2% or better tolerance matching components. Typical inductor $Q=40$.
2. Optimum values may change depending on board layout. Values shown are intended as a guide only.

PACKAGE OUTLINE & MARKING



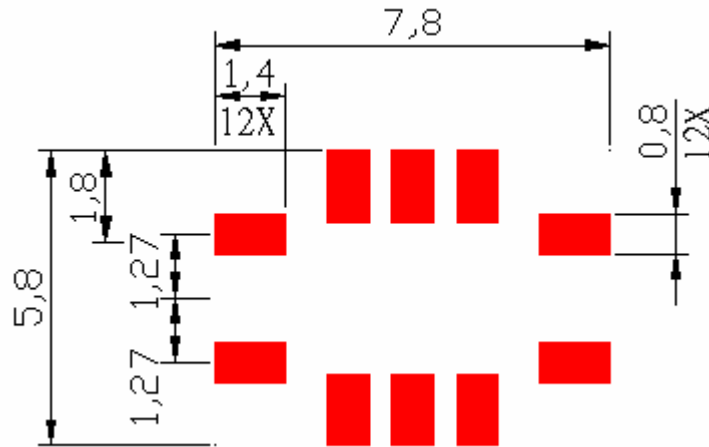
DATE CODE (YEAR, DAY)

Package Material:
 Body: Al_2O_3 ceramic
 Lid: Kovar, Ni plated
 Terminations: Au plating 1 μ m min,
 over a 1.3-8.9 μ m Ni plating

PAD 9 = RF INPUT
 PAD 10 = RF INPUT RETURN
 PAD 4 = RF OUTPUT
 PAD 5 = RF OUTPUT RETURN
 PAD 1, 2, 3, 6, 7, 8 = GROUND

DIMENSIONS ARE IN mm.

SUGGESTED FOOTPRINT



ISO 9001
 Registered

All specifications are believed to be accurate and reliable. However, MNC reserves the right to make changes without notice.
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