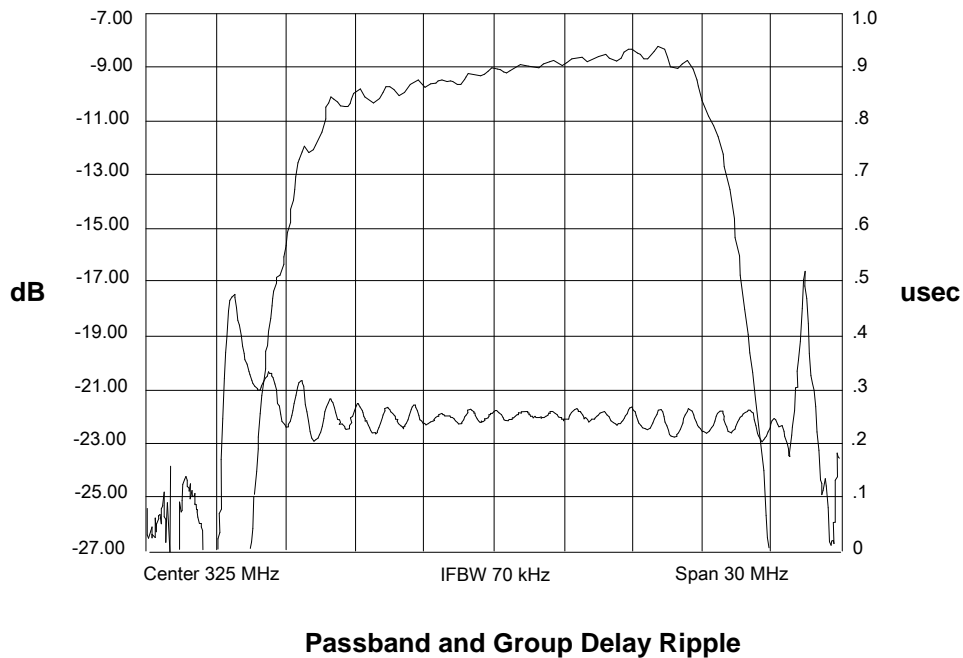
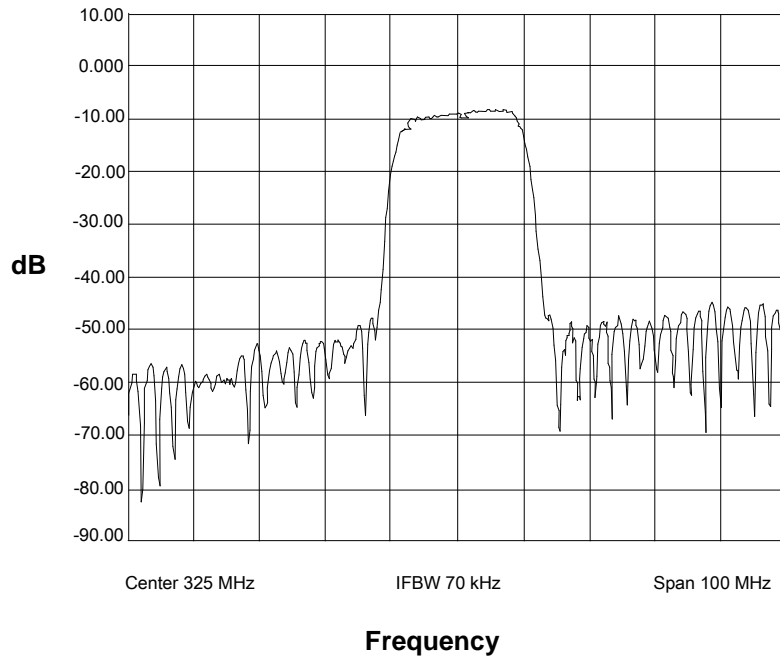




DESCRIPTION

- 325 MHz SAW bandpass filter with 10 MHz bandwidth.
- 7.0 X 5.0 mm ceramic LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE



SPECIFICATION

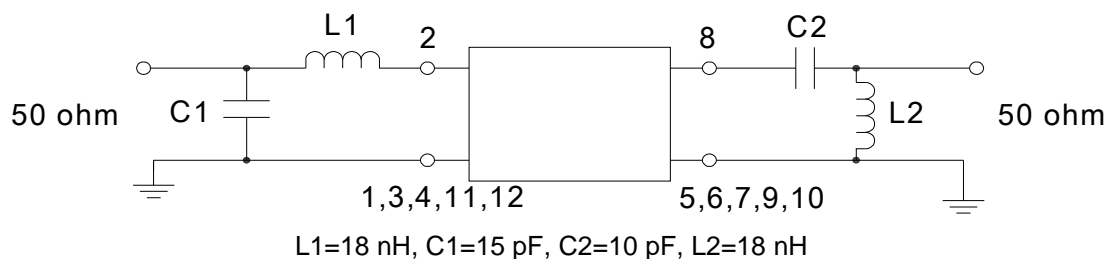
Parameter	Min	Typ	Max	Units
Center Frequency, F_c ¹	-	325	-	MHz
Maximum Insertion Loss ²	-	8.5	14	dB
3dB Low Frequency	-	317.6	320.0	MHz
3dB Upper Frequency	330.0	334.5	-	MHz
40dB Low Frequency	307.5	313.4	-	MHz
40dB Upper Frequency	-	338.5	342.5	MHz
Passband Ripple at any 200kHz within (80% of BW3)	-	0.6	1	dB
Group Delay Ripple (80% of BW3)	-	75	100	nS
Phase Linearity (80% of BW3)	-	4.0	-	Deg, rms
Temp Coefficient	-	-23		ppm/°C
Attenuation:				
10 MHz ~ 220 MHz	50	57	-	dB
220 MHz ~ 300 MHz	42	49	-	dB
350 MHz ~ 355 MHz	35	44	-	dB
355 MHz ~ 375 MHz	30	38	-	dB
375 MHz ~ 380 MHz	35	42		dB
380 MHz ~ 405 MHz	35	44		dB
405 MHz ~ 500 MHz	38	44		dB

Notes: 1. Reference frequency. Computed as mean of the 3 dB frequencies.
2. All dB values are referenced to the insertion loss value.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-10	60	°C
Input Power Level	-	10	dBm

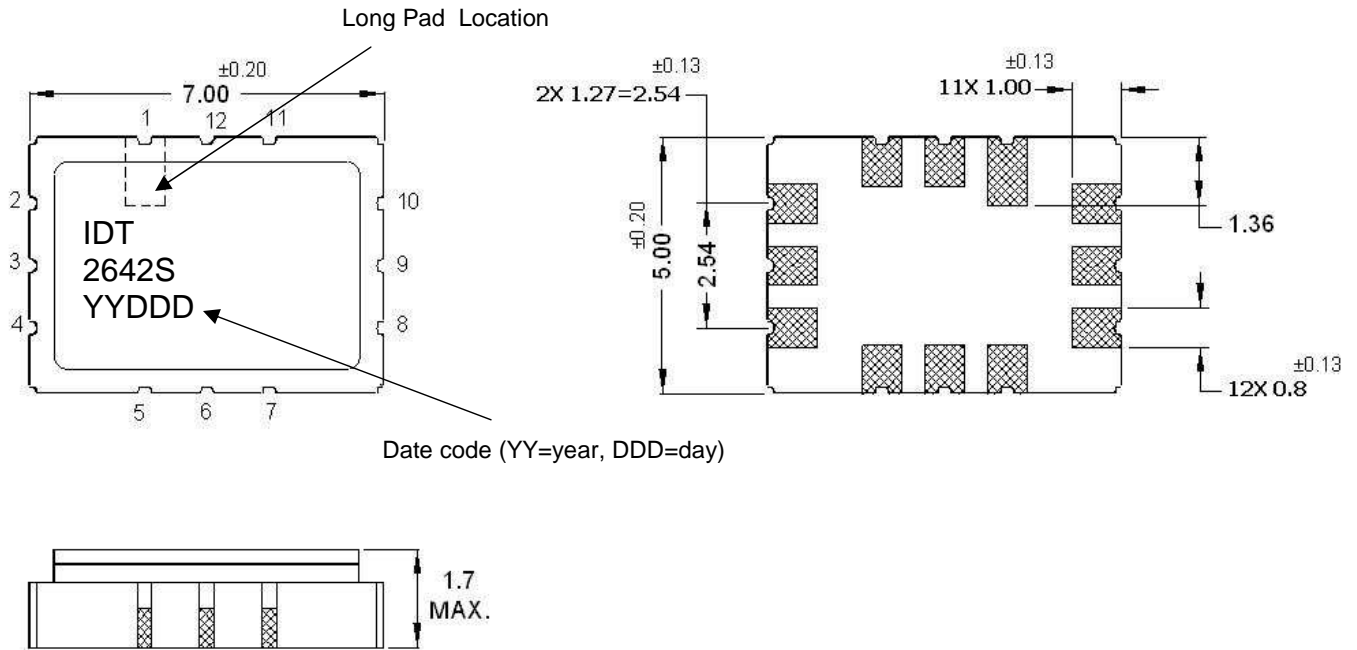
MATCHING CIRCUIT



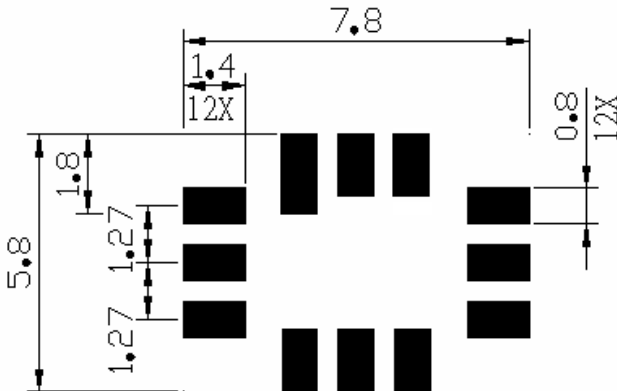
Notes:

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

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



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

Units: mm

Tolerances are typically ± 0.15 mm
 except where indicated.

Pad Configuration:

Input : 2
 Output : 8
 Ground: All other pads



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