

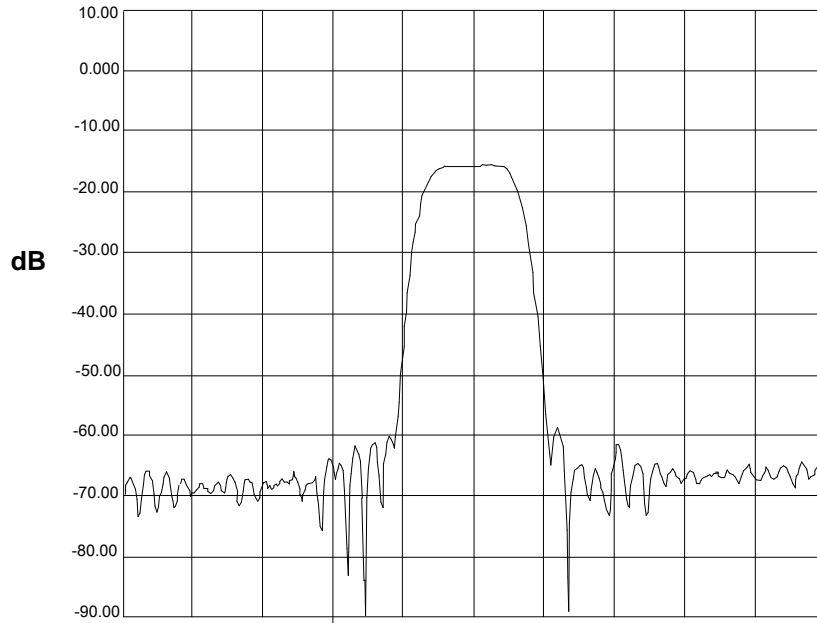


**DESCRIPTION**

- 480 MHz SAW bandpass filter with 12 MHz bandwidth.
- 7.0 X 5.0 mm ceramic LCC package.
- RoHS compliant.

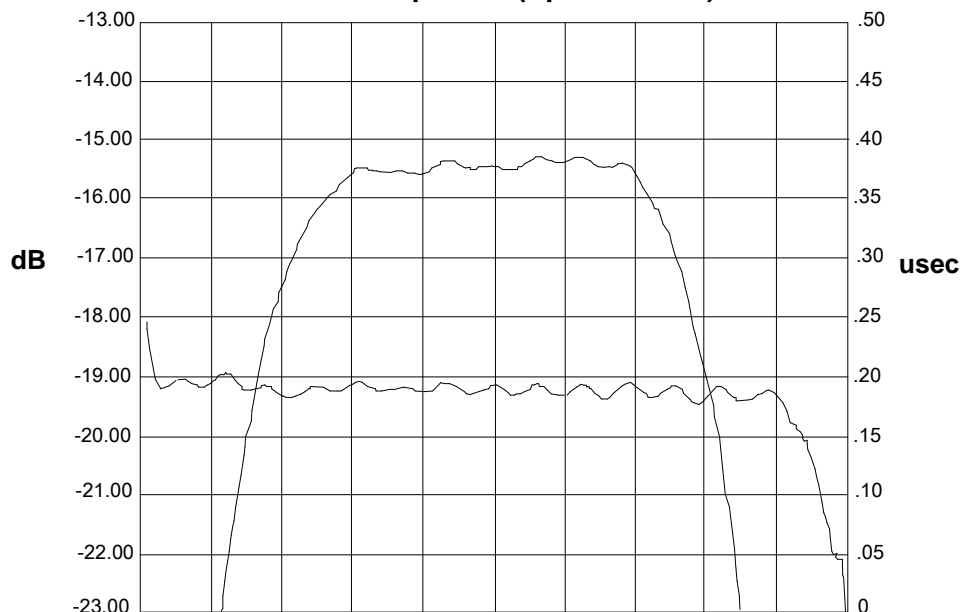
**TYPICAL PERFORMANCE**

**S21 Response**



**Horizontal: 10 MHz/Div Center Freq. 480 MHz**

**Pass band Response: (Span 20 MHz)**



**Horizontal: 0.3MHz/Div**



## SPECIFICATION

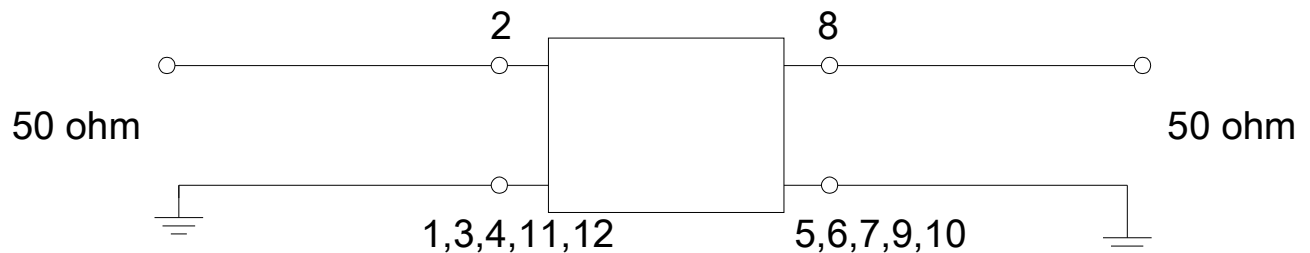
Parameter	Min	Typ	Max	Units
Center Frequency, $F_c$ <sup>1</sup>	-	480	-	MHz
Insertion Loss <sup>2</sup>	-	15.3	22	dB
3dB Bandwidth	9	12.1	-	MHz
35dB Bandwidth	-	20.0	22	MHz
Passband Ripple 476.4 – 483.6 MHz	-	0.30	1	dB
Group Delay Variation 475.5 – 484.5 MHz	-	14	50	nsec
Temp Coefficient	-	-23		ppm/°C

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

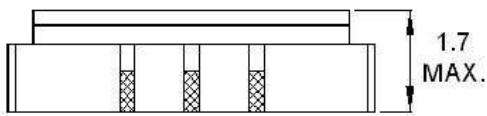
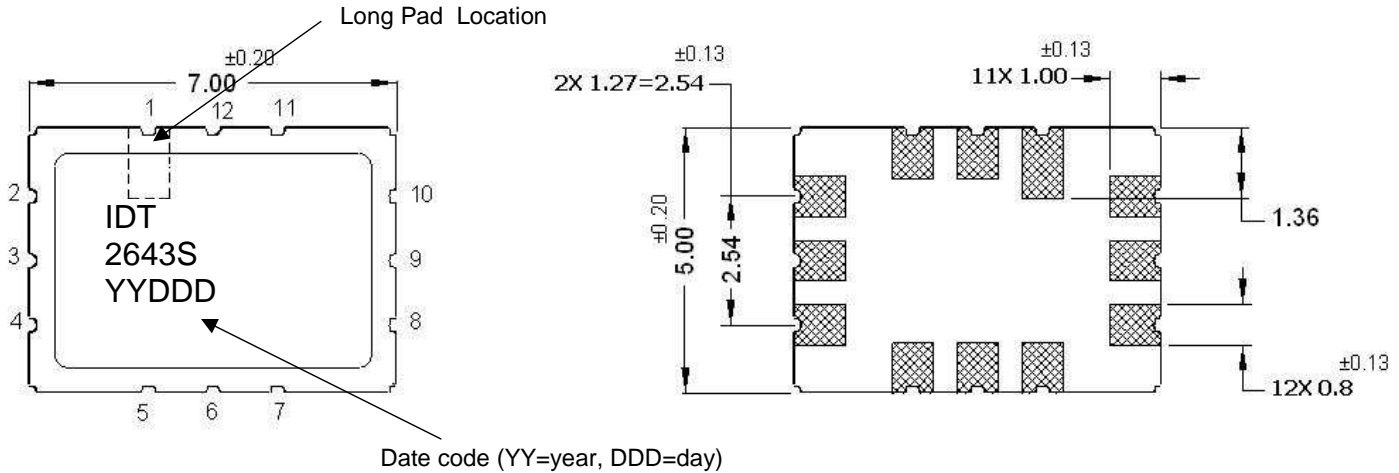
## MAXIMUM RATINGS

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

## MATCHING CIRCUIT



**PACKAGE OUTLINE**

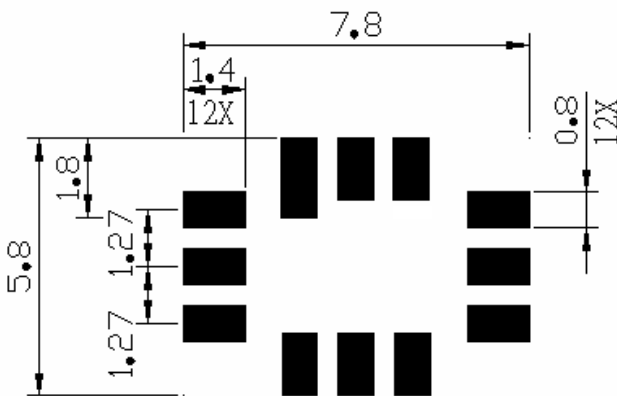


Package Material:  
 Body:  $Al_2O_3$  ceramic  
 Lid: Kovar, Ni plated  
 Terminations: Au plating 1  $\mu$ m min,  
 over a 1.3-8.9  $\mu$ m Ni plating

**Units:** mm

Tolerances are typically  $\pm 0.15$  mm  
 except where indicated.

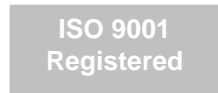
**SUGGESTED FOOTPRINT**



**Pad Configuration:**

- Balanced Input + : 8
- Balanced Input - : 7
- Balanced Output + : 2
- Balanced Output - : 1

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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