

# SPECIFICATION

## COMMERCIALY AVAILABLE

MINI-MONOLITHIC CRYSTAL FILTER  
 PART NUMBER: M21DBJ  
 RoHS

12/31/14 Added note about attenuation

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
3/31/11 DS	4/19/2011 SRJ	4/20/2011 BF	5/6/2011 GL
12/31/14 <sup>(kn)</sup>			

**FILTRONETICS Inc**

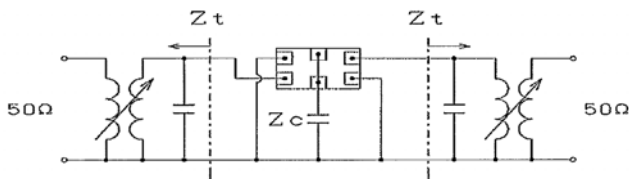
1. Part Number: M21DBJ

2. Electrical Specifications:

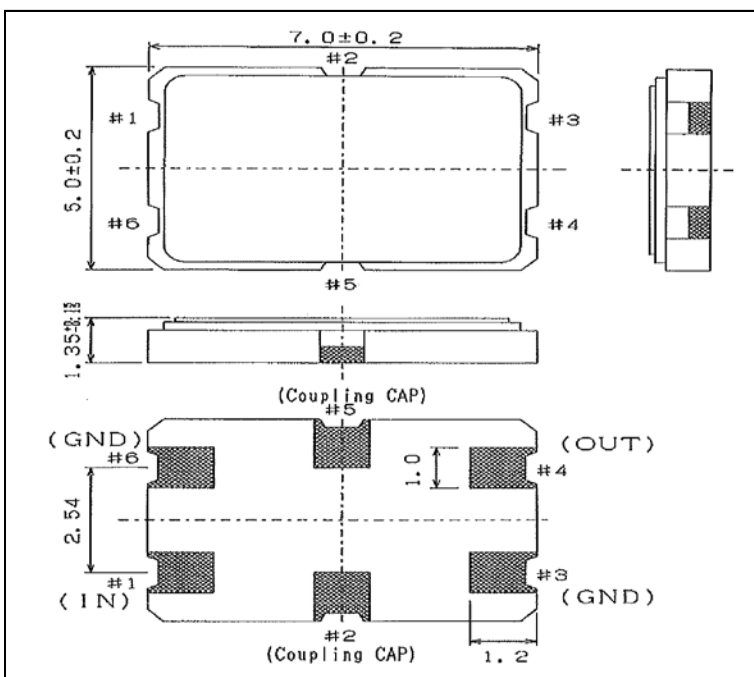
Filter Type	MONOLITHIC CRYSTAL FILTER
Center Frequency (Fo)	21.4000000 MHz
Insertion Loss:	4.0 dB Max
Ripple:	1.0 dB Max
Pass Bandwidth (at 3dB)	±6.0 KHz Min
Stop Band Width (at 30dB):	±22.0 KHz Min
Guaranteed Attenuation	80 dB Min (Fo -910 KHz)
Terminating Impedance:	1800Ω (±10%) // 2.0 pF (1.0pF) Cc=5.5pF (±1.0pF)
Operating Temperature Range:	-20°C to +60°C
Storage Temperature Range:	-40°C to +85°C
Maximum Drive Level	0 dBm

\*Attenuation excludes Spurious Response unless otherwise noted

Test Circuit



3. Mechanical Package: Case Code J (modified height)



Marking:  
M21DBJ  
Date Code