



## SPECIFICATIONS

### 1 General

Part Number	Description
211.4M70B50	21.4MHz Crystal Filter, DIP Package

### 2 Revision History

Revision	Released	Revision Detail
R1	2017-10-13	Initial Release
R2	2020-6-1	Group delay performance

### 3 Electrical Specification

Item	Typical
Nominal Frequency (MHz)	21.4
Insertion Loss (dB)	5.0
Ripple within Pass band (dB)	0.5
Bandwidth at -3dB (kHz)	±35
Bandwidth at -60dB Attenuation (kHz)	±350
Attenuation at $f_0$ -768kHz (dB)	75
Attenuation at 20MHz~21.05MHz (dB)	60
Attenuation at 21.75MHz~22MHz (dB)	60
Group Delay absolute (us) at $f_0$	10±3.0
Group Delay Distortion (us) at $f_0$ ±20kHz	1.0
Group Delay Distortion (us) at $f_0$ ±35kHz	2.0
Input Level (dBm)	0 max
Impedance ( $\Omega$ )	50
Operation Temperature ( $^{\circ}$ C)	-40 ~ +80
Package Size (mm)	30x15x10



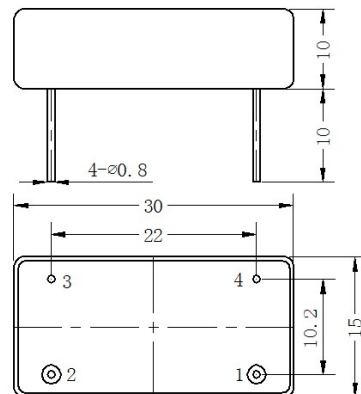
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Pin No.	Description
1	Input/Output
2	Output/Input
3, 4	Ground

Bottom View

Unit:mm