

SPECIFICATION

COMMERCIALLY AVAILABLE

SAW BAND PASS FILTER
PART NUMBER: SF0504017
RoHS

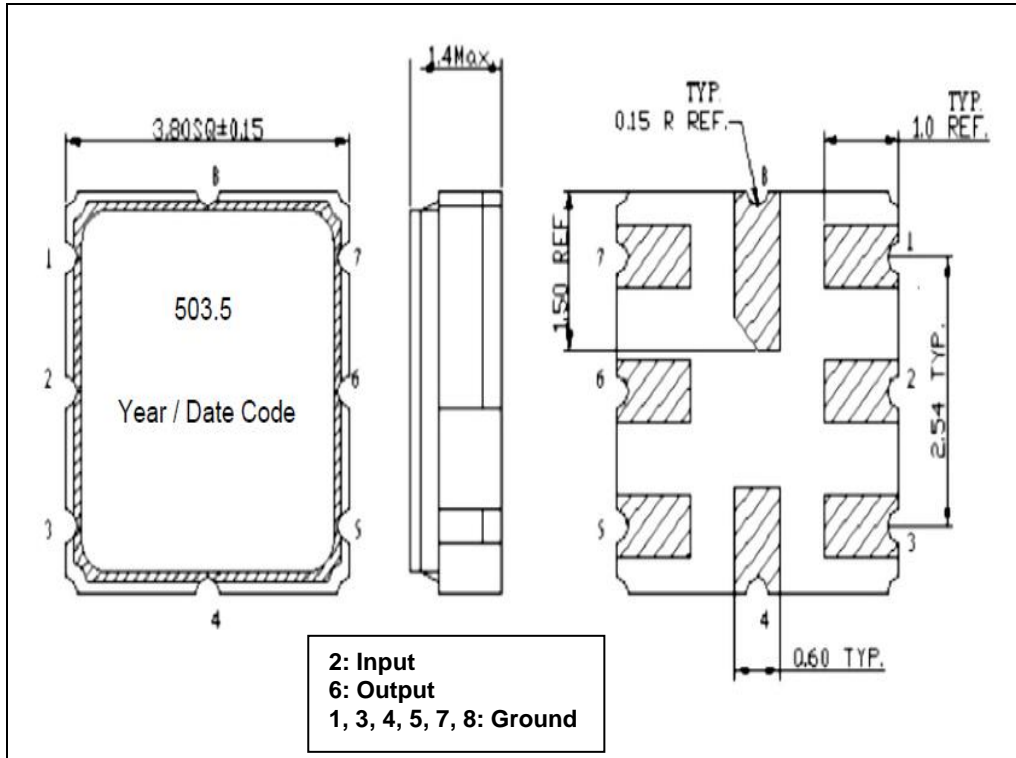
ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
06/15/2021 ^(ASM)			

FILTRONETICS Inc

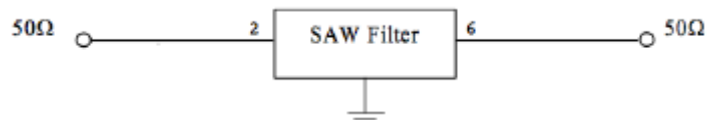
1. Electrical Specifications:

Index		Unit	Min	Typ	Max
Center Frequency		MHz	-	503.5	-
Bandwidth		MHz	-	17	-
Amplitude Ripple (495 ~ 512MHz)		dB	-	0.9	2.4
Insertion Loss (495 ~ 512MHz)		dB	-	2.4	3.2
Return Loss (495 ~ 512MHz)		dB	6.00	7.6	-
Attenuation: (Relative to 0dB)	0.3 ~ 300MHz	dB	30	58	-
	300 ~ 380MHz	dB	24	55	-
	380 ~ 473.5MHz	dB	15	50	-
	548.325 ~ 568.325MHz	dB	12	52	-
	568.825 ~ 579.65MHz	dB	28	55	-
	669.3 ~ 689.3MHz	dB	24	51	-
	689.3 ~ 1000MHz	dB	26	43	-
Material		36 LiTaO ₃			
Input Power Level		dBm	-	-	10
DC Voltage		V	-	-	5
Operating Temperature		°C	-30	-	60
Storage Temperature		°C	-40	-	85
Package		mm ³	3.8 x 3.8 x 1.4		

2. Mechanical Package:



Matching Configuration



1, 3, 4, 5, 7, 8
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

3. Typical Response:

