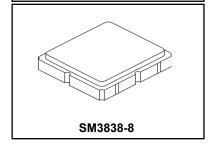


RoHS Compliance This component is compliant with RoHS directive. This component was always RoHS compliant from the first

date of manufacture.

SF2017D

1220 MHz **SAW Filter**



· SAW Filter for Digital Television

Characteristics:

Balance-to-Balanced operation

 $Z_S = 200 \Omega$ Terminating source impedance : Terminating load impedance : $Z_L = 200 \Omega$

Maximum Rating

Rating	Value	Units
Operating Temperature	-40 to +85	°C
Storage Temperature	-40 to +85	°C

Electrical Characteristics

Characteristic	Sym	Notes	Min	Тур	Max	Units	
Center Frequency	f _C			1220		MHz	
Insertion Loss, 1216 to 1224 MHz	IL			3.2	5.3	dB	
Ripple, 1216 to 1224 MHz				0.6	2.5	dB	
Attenuation Reference level from 0 dB:							
1) 500fc-91 MHz			50	60			
2) fc-91 to fc-85 MHz			46	53			
3) fc-76 to fc-68 MHz			46	53		1	
5) fc-88 MHz			50	55		ا ا	
6) fc-72 MHz			48	65		dB	
7) fc-44 MHz			50	54			
8) fc-36 MHz			46	62			
9) fc+70 to 2000 MHz			50	61			
Group delay ripple, 1216 to 1224 MHz				11		ns _{P-P}	

Case Style	SM3838-8 3.8 x 3.8 mm Nominal Footprint		
Lid Symbolization, Y=year, WW=week, S=shift, dot=pin 1 indicator	456, YWWS		
Standard Reel Quantity Reel Size 7 Inch	1000 Pieces/Reel		
Reel Size 13 Inch	3000 Pieces/Reel		

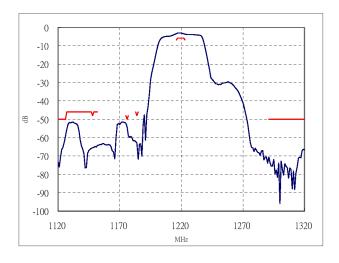


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

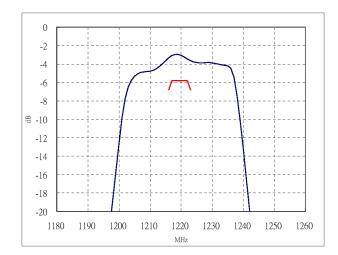
NOTES:

US and international patents may apply. Murata, stylized Murata logo, and Murata N.A., Inc. are registered trademarks of Murata Manufacturing Co., Ltd.

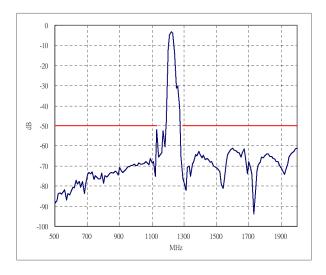
Frequency Characteristics 1. Sdd21 Response



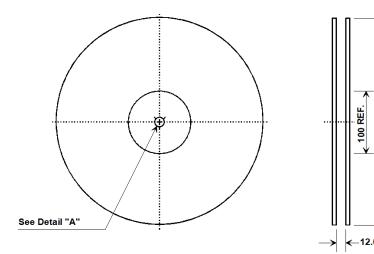
2. Sdd21 Response (Inband)



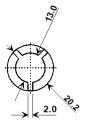
3. Sdd21 Response (wideband)



Tape and Reel Specifications

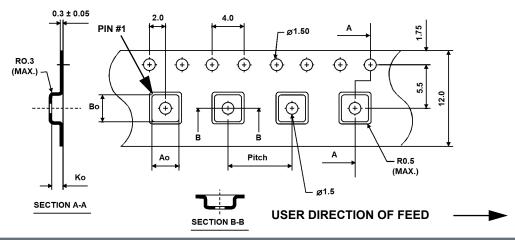


"B" Nominal Size		Quantity Per Reel
Inches	millimeters	
7	178	1000
13	330	3000



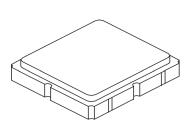
COMPONENT ORIENTATION and DIMENSIONS

Carrier Tape Dimensions				
Ao	4.25 mm			
Во	4.25 mm			
Ко	1.30 mm			
Pitch	8.0 mm			
W	12.0 mm			



SM3838-8 Case

8-Terminal Ceramic Surface-Mount Case 3.8 X 3.8 mm Nominal Footprint



Case Dimensions

Dimension	mm		Inches			
Difficusion	Min	Nom	Max	Min	Nom	Max
Α	3.6	3.8	4.0		0.15	
В	3.6	3.8	4.0		0.15	
С			1.4		0.06	
D		1.0			0.04	
E		1.0			0.04	
F		0.6			0.02	
G	2.39	2.54	2.69		0.100	
Н		1.5			0.06	

Electrical Connections

Connection	Terminals
Balance Input	1, 2
Balance Output	5, 6
Case Ground	3, 4, 7, 8

