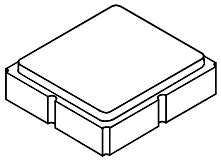
SF2032E

1220 MHz SAW Filter

- ***SAW Filter for Digital Television***
- ***Complies with Directive 2002/95/EC (RoHS)***

Characteristics :
Balance to Balanced operation
Terminating source impedance : Z_S = 200 Ω
Terminating load impedance : Z_L = 200 Ω



SM3030-8

Maximum Rating

Rating	Value	Units
Input Power Level	0	dB_m
DC Voltage	3	V
Operating Temperature	-30 ~ +85	°C
Storage Temperature	-40 ~ +85	°C

Electrical Characteristics

Characteristic	Sym	Notes	Min	Typ	Max	Units
Center Frequency	f_C			1220		MHz
Insertion Loss (1206~1234 MHz)	IL			4.0	5.7	dB
Amplitude Ripple (1206~1234 MHz)				1.9	3.5	dB
Attenuation: (Reference level from 0 dB)						
1) 300 ~ 1118 MHz			40	59		dB
2) 1118 ~ 1146 MHz			45	60		
3) 1300 ~ 2000 MHz			45	59		
Group delay Ripple (p-p)				15		ns

Case Style	SM3030-8 3.0 x 3.0 mm Nominal Footprint
Lid Symbolization (Y=year, WW=week, S=shift) dot=pin 1 indicator	504, YWWS
Standard Reel Quantity Reel Size 7 Inch	1000 Pieces/Reel
Reel Size 13 Inch	3000 Pieces/Reel

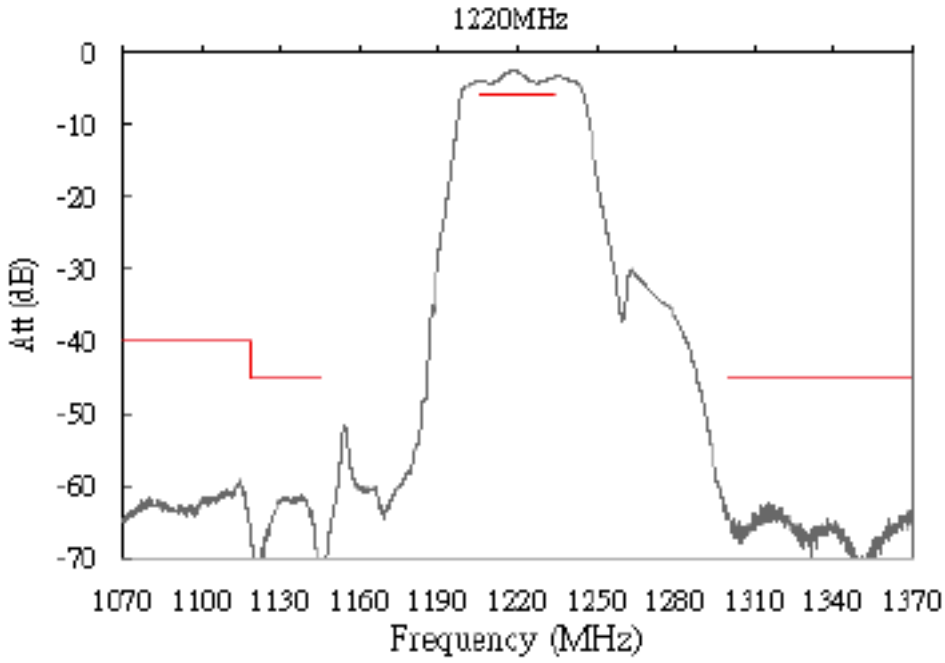
Notes:
1. US and international patents may apply.
2. RFM, stylized RFM logo, and RF Monolithics, Inc. are registered trademarks of RF Monolithics, Inc.
3. ©Copyright 1999, RF Monolithics Inc.
4. Electrostatic Sensitive Device. Observe precautions for handling.

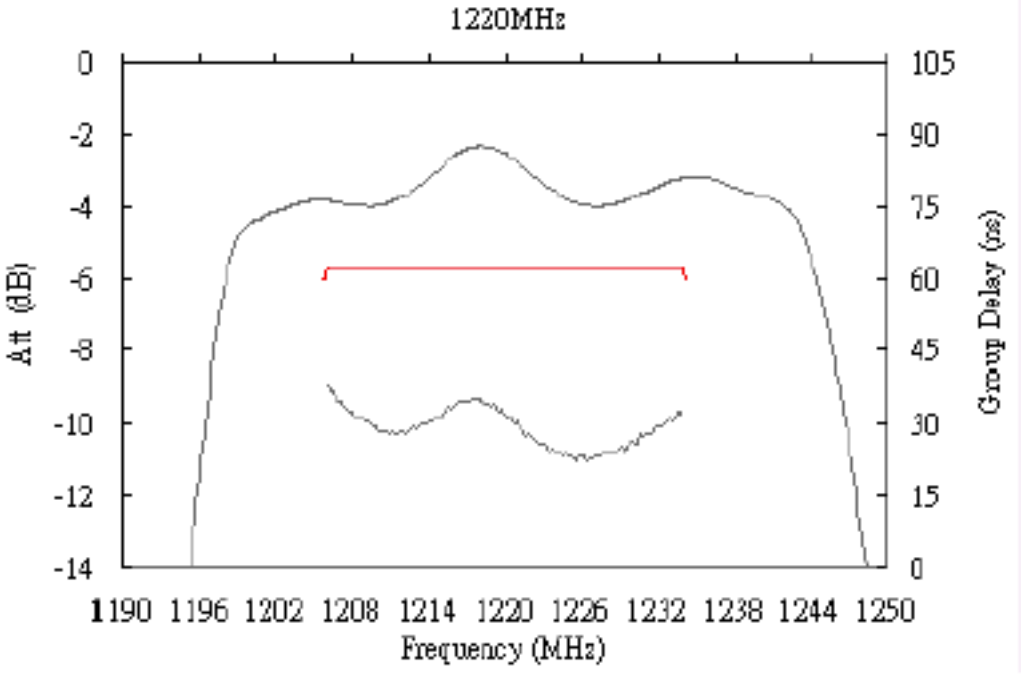
RF Monolithics, Inc. Phone: (972) 233-2903 Fax: (972) 387-8148 E-mail: info@rfm.com
RFM Europe Phone: 44 1963 251383 Fax: 44 1963 251510 http://www.rfm.com

©1999 by RF Monolithics, Inc. The stylized RFM logo are registered trademarks of RF Monolithics, Inc.

D. Transfer Function :

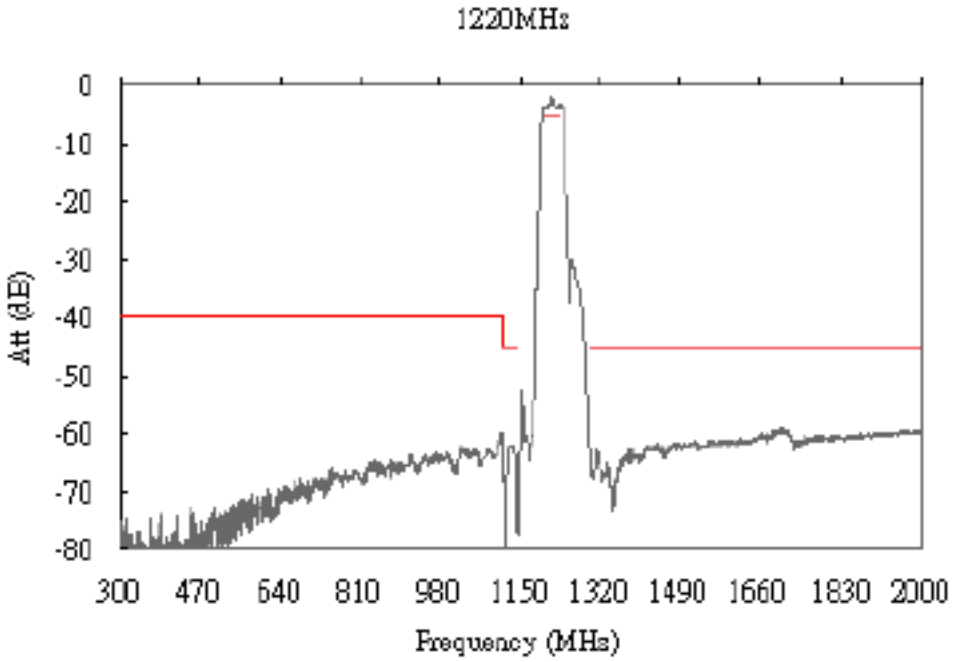
Narrowband



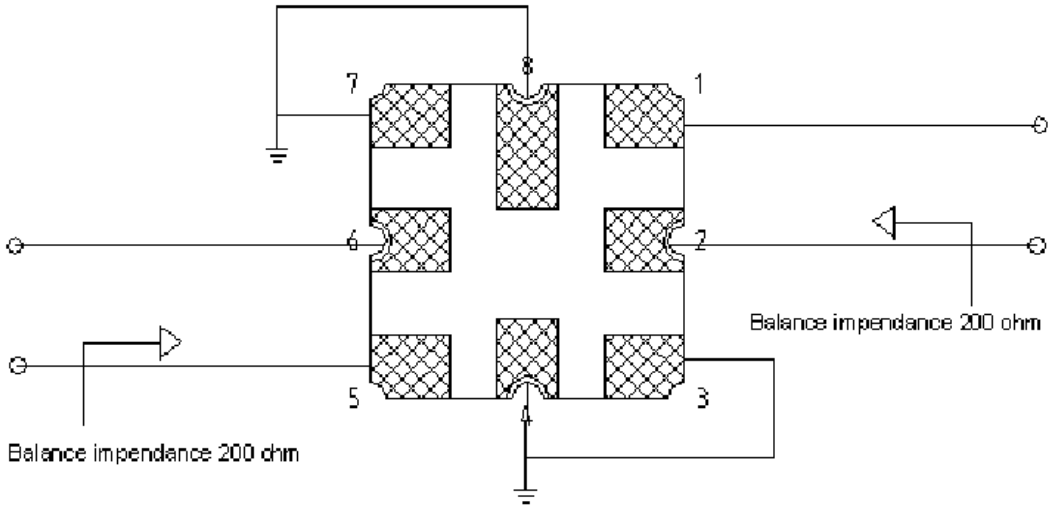


©1999 by RF Monolithics, Inc. The stylized RFM logo are registered trademarks of RF Monolithics, Inc.

Wideband

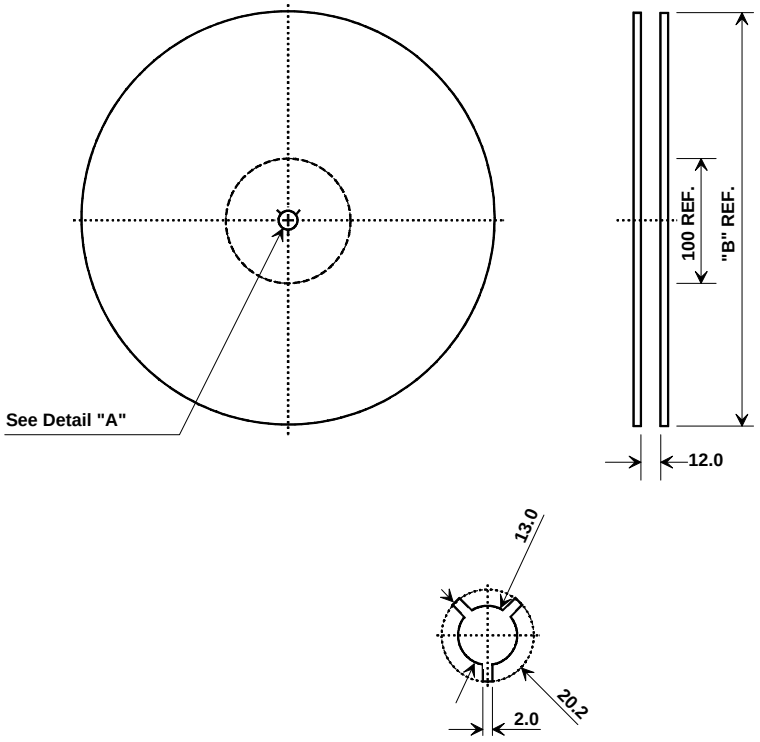


MEASUREMENT CIRCUIT:



©1999 by RF Monolithics, Inc. The stylized RFM logo are registered trademarks of RF Monolithics, Inc.

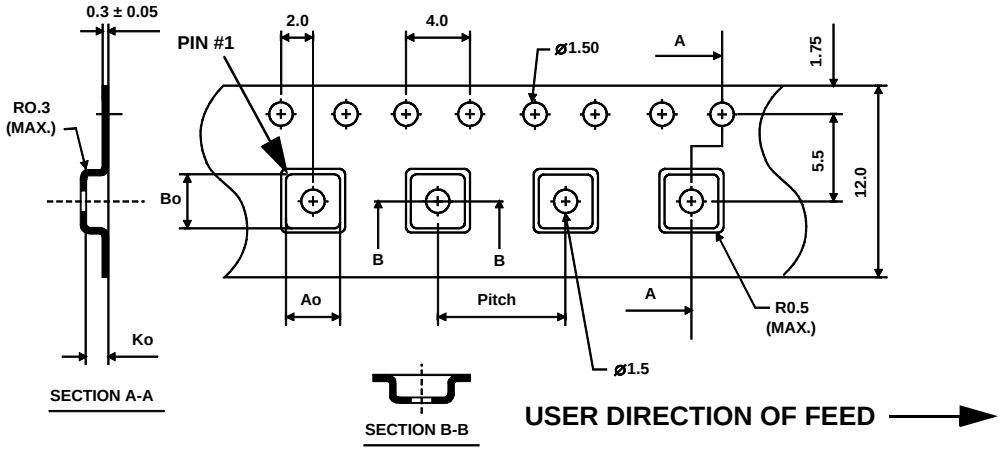
Tape and Reel Specifications



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

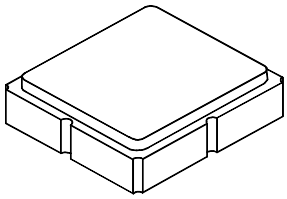
COMPONENT ORIENTATION and DIMENSIONS

Carrier Tape Dimensions	
Ao	3.35 mm
Bo	3.35 mm
Ko	1.4 mm
Pitch	8.0 mm
W	12.0 mm



©1999 by RF Monolithics, Inc. The stylized RFM logo are registered trademarks of RF Monolithics, Inc.

8-Terminal Ceramic Surface-Mount Case
3.0 X 3.0 mm Nominal Footprint



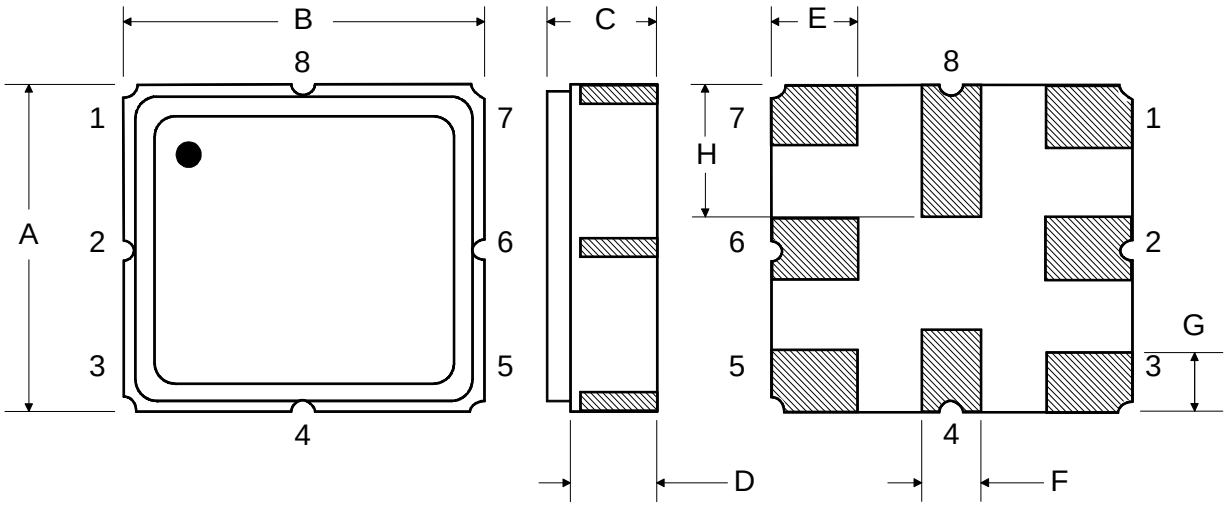
Case Dimensions

Dimension	mm			Inches		
	Min	Nom	Max	Min	Nom	Max
A		3.0				
B		3.0				
C			1.40			
D						
E		0.75				
F		0.60				
G		0.60				
H		1.20				

Electrical Connections

	Connection	Terminals
	Balanced Input	1, 2
	Balanced Output	5, 6
	Ground	All Others
Dot Indicates Pin 1		

TOP VIEW BOTTOM VIEW



©1999 by RF Monolithics, Inc. The stylized RFM logo are registered trademarks of RF Monolithics, Inc.