



RFM products are now Murata products.

SF2055A

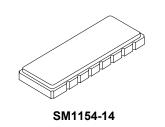
- · Low-loss SAW Filter
- 11.5 X 4.0 mm Surface-Mount Case
- Complies with Directive 2002/95/EC (RoHS)



Absolute Maximum Ratings

Rating	Value	Units		
Input Power Level	10	dBm		
DC Voltage	0	V		
Operating Temperature Range	0 to +60	°C		
Storage Temperature Range	-40 to +85	°C		

240.050 MHz **SAW Filter**



Characteristic		Sym	Notes	Min	Тур	Max	Units
Center Frequency		f _O			240.05		MHz
Insertion Loss at f _O						5.0	dB
3 dB Bandwidth				±150			kHz
In-band Ripple, f _O ± 100 kHz						0.5	dB _{P-P}
Amplitude Variation, f _O ±1 00 kHz					0.5	1	dB
Relative Group Delay, f _O ± 100 kHz						0.5	µs _{P-P}
Attenuation:	f _O -600 kHz			36	40		
	f _O +600 kHz			36	46		dB
	f _O -1.2 MHz			40	48		
	f _O +1.2 MHz			38	46		
	f _O -21.6 MHz			60	72		uБ
	f _O +21.6 MHz			60	68		
	10 to 215 MHz			20	67		7
	265 MHz to 2 GHz			20	24		
I/O Impedance					50		Ω
Absolute Delay, f _O ±100 kHz					1.85 ±0.6		μs

Case Style	SM1154-14 11.5 x 4.0 mm Nominal Footprint	
Lid Symbolization (YY=year, WW=week, S=shift, ##=sequence code) dot=pin 1 indicator	SF2055A, <u>YYWWS##</u>	
Standard Reel Quantity Reel Size 7 Inch	500 Pieces/Reel	
Reel Size 13 Inch	2000 Pieces/Reel	

Electrical Connections

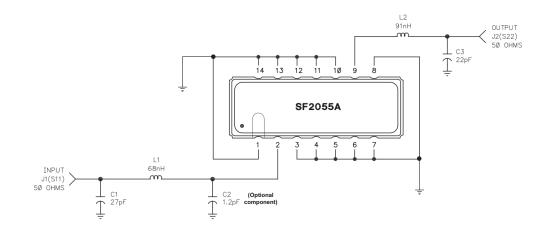
Connection	Input	Output	Ground
Terminals	2	9	All others

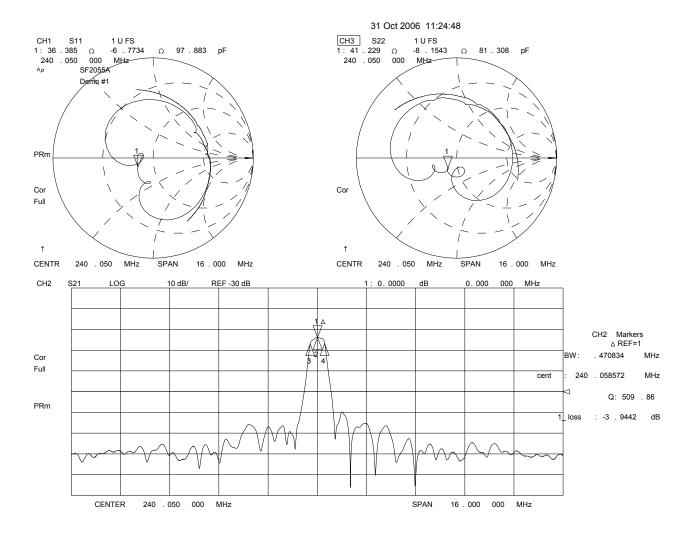
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

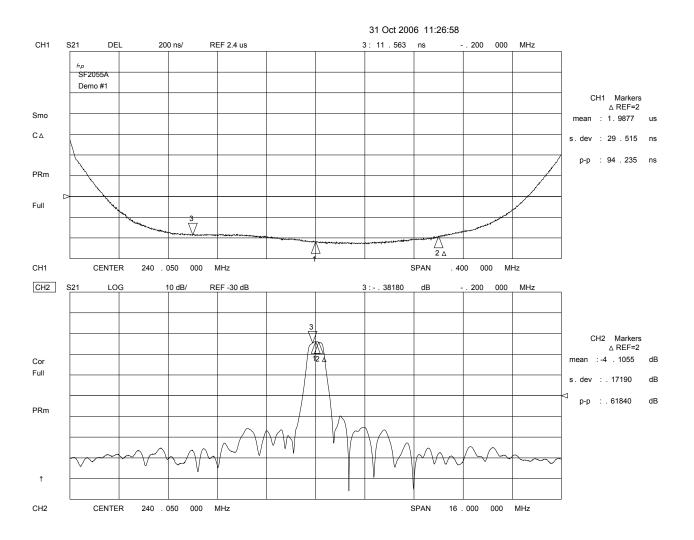
NOTES:

- Unless noted otherwise, all specifications apply over the operating temperature range with filter soldered to the specified demonstration board with impedance
- matching to 50 Ω and measured with 50 Ω network analyzer. Unless noted otherwise, all frequency specifications are referenced to the nominal center frequency, fc. The design, manufacturing process, and specifications of this filter are subject to change. US and international patents may apply.

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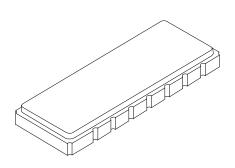






SM1154-14 Case

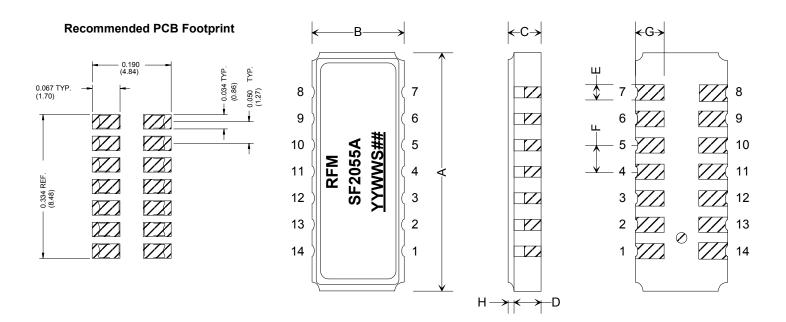
14-Terminal Ceramic Surface-Mount Case 11.5 x 4.0 mm Nominal Footprint



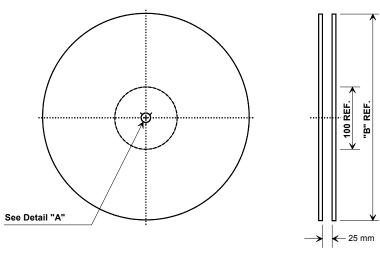
Case Dimensions						
Dimension	mm		Inches			
	Min	Nom	Max	Min	Nom	Max
Α	11.4	11.5	11.6	.442	0.450	0.458
В	3.8	4.0	4.2	.150	0.157	.166
С	1.4	1.6	1.8	.057	0.063	.069
D				0.041	0.047	0.053
E		0.76			0.030	
F		1.27			0.050	
G		1.27			0.050	
Н		0.1			0.004	

Electrical Connections			
Connection Terminals			
Input	2		
Output	9		
Ground	All Others		

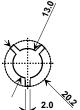
Materials		
Solder Pad Plating	0.3 to 1.0 μm Gold over 1.27 to 8.89 μm Nickel	
Lid Plating	2.0 to 3.0 µm Nickel	
Body Al ₂ O ₃ Ceramic		
Pb Free		



Tape and Reel Specifications



"B" Nominal Size		Quantity Per Reel
Inches	millimeters	
7	178	500
13 330		2000
Tape and Reel Standard Per ANSI / EIA 481		



COMPONENT ORIENTATION and DIMENSIONS

Carrier Tape Dimensions		
Ao	4.55 mm	
Во	12.04 mm	
Ko	2.13 mm	
Pitch	8.00 mm	
W	24.00 mm	

