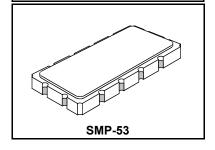




RFM products are now Murata products.

SF2064A

156 MHz **SAW Filter**



Complies with Directive 2002/95/EC (RoHS)

Hermetic 13.3 x 6.5 mm Surface-mount Case

Excellent Size-to-Performance Ratio

Absolute Maximum Ratings

Rating	Value	Units
Maximum Incident Power in Passband	+10	dBm
Max. DC voltage between any 2 terminals	30	VDC
Storage Temperature Range	-40 to +85	°C
Suitable for lead-free soldering - Max. Soldering Profile	260°C for 30 s	

Characteristic		Sym	Notes	Min	Тур	Max	Units
Nominal Center Frequency		f _C	1	156.000		•	MHz
Insertion Loss CPK>1.33					15	18	dB
Passband	-1dB Pass Bandwidth Definition	BW ₁		10	10.8		
	-3dB Pass Bandwidth Definition	BW ₃		10.6	11		MHz
	-40dB Pass Bandwidth Definition	BW ₄₀			13.15	15	
	Amplitude Ripple				1	2	dBp-p
Stopband Rejection 0~110MHz 250MHz~1GHz				45	55		dB
Group Delay Variation	(Pass Bandwidth)				30	100	Nsp-p
Absolute Delay at fO					1.13	1.5	usec
Temperature Coefficier	nt of Frequency				-35	-40	ppm/°C
Source Impedance					50		ohm
Input VSWR					1.1		
Output VSWR					1.7		
Operating Temperature	e Range	T _A		-40		+85	°C

Impedance Matching to 50Ω Unbalanced	External L-C		
ise Style SMP-53 13.3 x 6.5 mm Nominal Footprint			
Lid Symbolization (YY = year, WW = week)	RFM SF2064A YYWW		

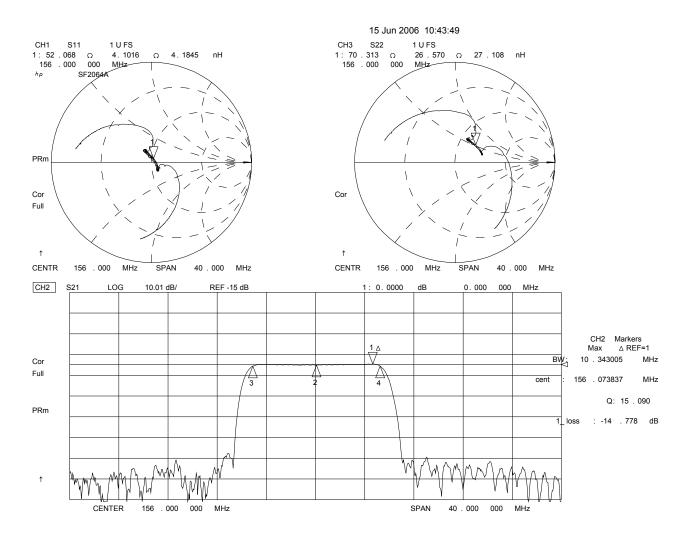
NOTES:

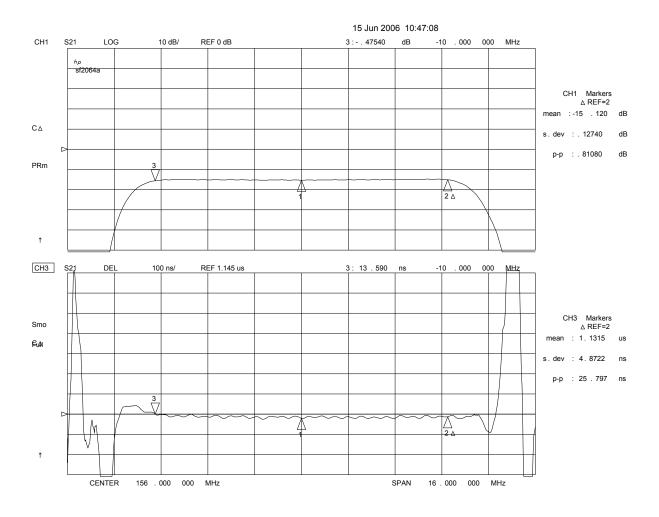
- Unless noted otherwise, all specifications apply over the operating temperature range with filter soldered to the specified demonstration board with impedance matching to 50 $\boldsymbol{\Omega}$ and measured with 50 Ω network analyzer.
- Unless noted otherwise, all frequency specifications are referenced to the nominal center frequency, fc.
- The design, manufacturing process, and specifications of this filter are subject to change. 3.
- US and international patents may apply.
- Electrostatic Sensitive Device. Observe precautions for handling.

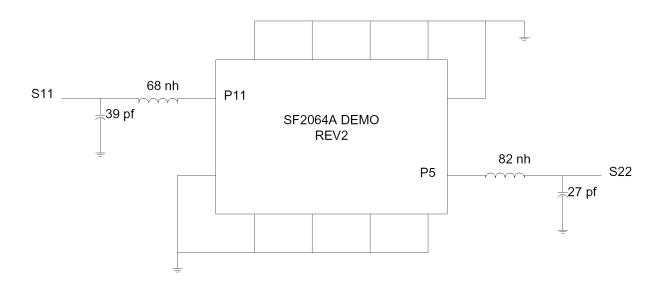


Electrical Connections

Connection	Terminals		
Port 1 Hot	11		
Port 1 Gnd Return	12		
Port 2 Hot	5		
Port 2 Gnd Return	6		
Case Ground	All others		

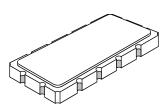






SMP-53 Case

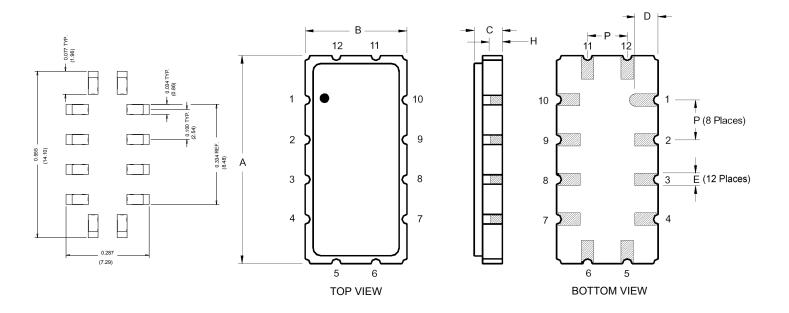
12-Terminal Ceramic Surface-Mount Case 13.3 x 6.5 mm Nominal Footprint



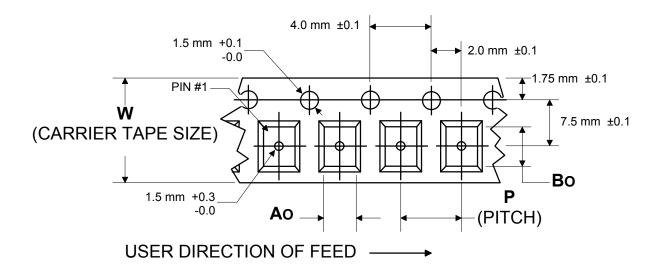
Case Dimensions						
Dimension		mm			Inches	
Difficusion	Min	Nom	Max	Min	Nom	Max
Α	13.08	13.31	13.60	0.515	0.524	0.535
В	6.27	6.50	6.80	0.247	0.256	0.268
С		1.91	2.00		0.075	0.079
D		1.50			0.059	
E		0.79			0.031	
Н		1.0			0.039	
Р		2.54			0.100	

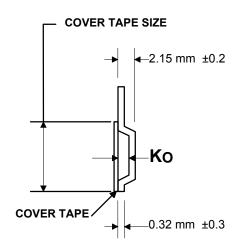
Materials				
Solder Pad	Au plating 30 - 60 ulnches (76.2-152 uM) over 80-200			
Termination	ulnches (203-508 uM) Ni.			
Lid	Fe-Ni-Co Alloy Electroless Nickel Plate (8-11% Phos-			
	phorus) 100-200 ulnches Thick			
Body	Al ₂ O ₃ Ceramic			
Pb Free				

Flectric	Connection al Connections	Terminals
Port 1	Input or Return	11
	Return or Input	12
Port 2	Output or Return	5
	Return or Output	6
	Ground All others	
Single Ended Operation		Return is ground
Differen	ifferential Operation Return is	



COMPONENT ORIENTATION and DIMENSIONS





Carrier Tape Dimensions					
Ao	7.55 mm	±0.1			
Во	9.59 mm	±0.1			
Ко	2.30 mm	±0.1			
Pitch	12.0 mm	±0.1			
W	16.0 mm	±0.3			