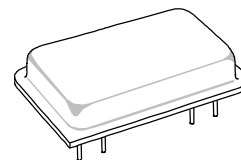


SF1062 211 MHz SAW Filter



- Designed for GSM PCS Receiver IF Applications
- Simple External Impedance Matching
- Hermetic Metal DIP
- Unbalanced Input and Output



Characteristic	Sym	Min	Typ	Max	Units	Notes
Nominal Center Frequency	fc		211.000		MHz	1
Passband	IL		6	9.0	dB	1, 2
Insertion Loss at fc						
1.5 dB Passband	BW _{1.5}	±50			kHz	
2 dB Passband	BW ₂	±80				
3 dB Passband	BW ₃	±100	±135			
Group Delay Variation over fc ±50 kHz	GDV		80	500	ns _{P-P}	1, 2, 3
Absolute Group Delay	GD			5000	ns	
Rejection		5			dB	
fc-400 to fc-200 and fc+200 to fc+400 kHz		25				
fc-600 to fc-400 and fc+400 to fc+600 kHz		30	35			
fc-800 to fc-600 and fc+600 to fc+800 kHz		35	45			
191 MHz to fc -800 kHz and fc +800 kHz to 231 MHz						
Operating Temperature Range	T _A	-10		+70	°C	1

Impedance Matching to 50 Ω unbalanced	External L-C
Case Style	DIP14L-8 22.1 x 12.6 mm Nominal Footprint
Lid Symbolization (YY = year, WW = week)	RFM SF1062 YYWW

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
Max Soldering Profile	265°C for 10 s	

Electrical Connections (See note 3)

Connection	Terminals
Port 1 Hot	1
Port 1 Gnd Return	2
Port 2 Hot	8
Port 2 Gnd Return	9
No Connection	7, 14
Case Ground	All others

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.
- Rejection is measured as attenuation below the minimum IL point in the passband. Rejection in final user application is dependent on PCB layout and external impedance matching design. See Application Note No. 42 for details. All "NC" or "no connection" terminals should be grounded.
- "LRIP" or "L" after the part number indicates "low rate initial production" and "ENG" or "E" indicates "engineering prototypes."
- The design, manufacturing process, and specifications of this filter are subject to change.
- Either Port 1 or Port 2 may be used for either input or output in the design. However, impedances and impedance matching may vary between Port 1 and Port 2, so that the filter must always be installed in one direction per the circuit design.
- US and international patents may apply.
- RFM, stylized RFM logo, and RF Monolithics, Inc. are registered trademarks of RF Monolithics, Inc.
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- Electrostatic Sensitive Device. Observe precautions for handling.

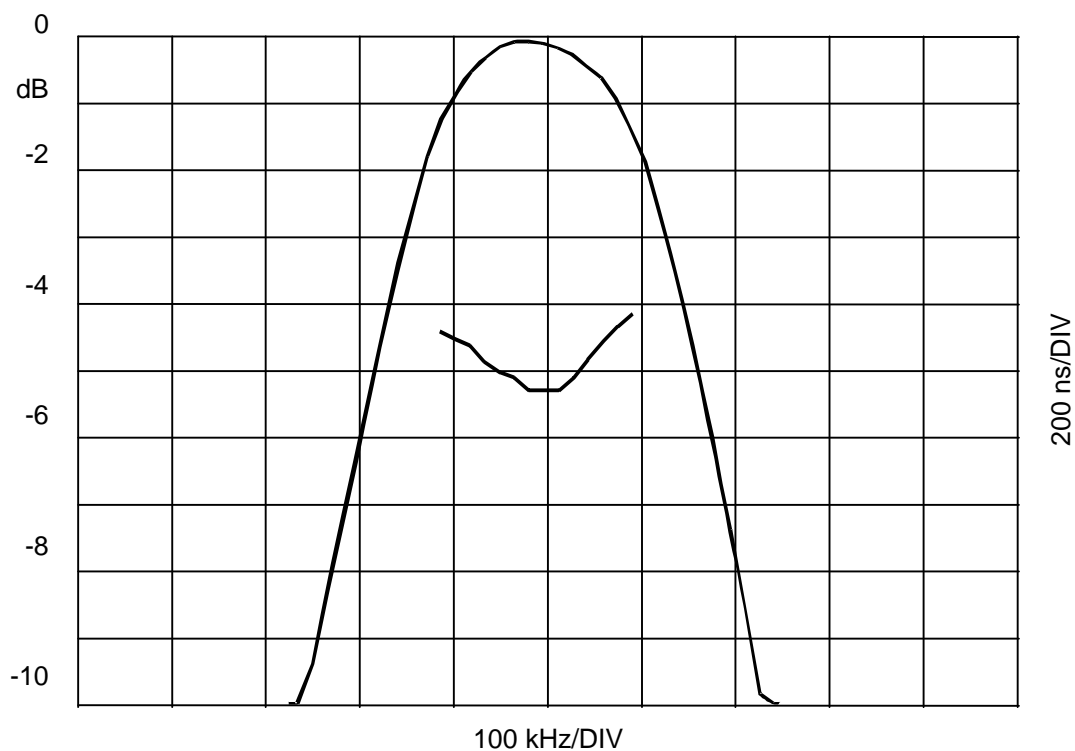
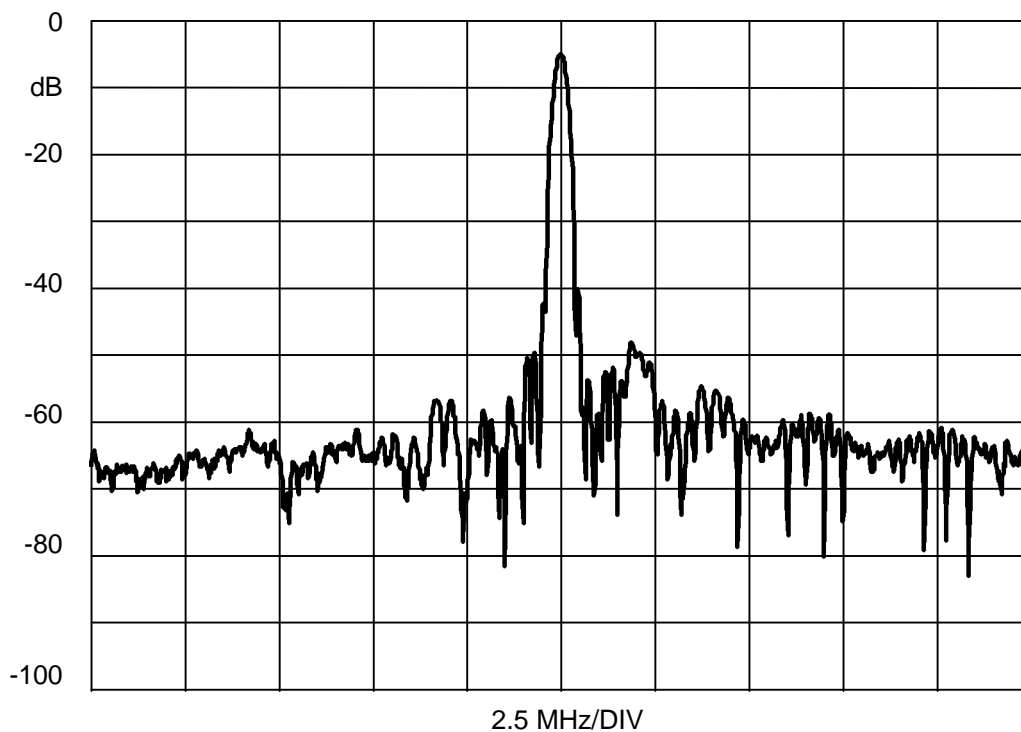


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SF1062 211 MHz SAW Filter

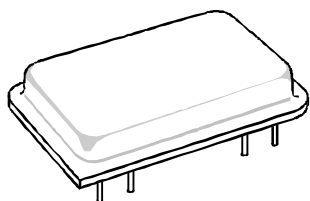


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Metal 8-Pin DIP in 14-Pin (Long) Configuration 22.1 x 12.6 mm Nominal Footprint



Dimension	mm			Inches		
	Min	Nom	Max	Min	Nom	Max
A		22.10	22.50		0.870	0.886
B		12.55	13.00		0.494	0.512
C		3.56	3.81		0.140	0.150
D	0.41	0.48	0.51	0.016	0.019	0.020
E		0.89			0.035	
F		7.62			0.300	
G		15.24			0.600	
K	3.30	3.81	6.73	0.130	0.150	0.265
L	1.37	1.45	1.52	0.054	0.057	0.060
P		2.54			0.100	
R		1.60			0.063	

