

To Be Discontinued

RFM products are now Murata products.

SF1141B

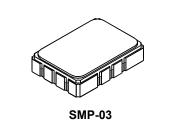
- Designed for SDARS IF Receiver
- · Low Insertion Loss
- 5.0 X 7.0 mm Surface-Mount Case
- Differential Input and Output
- Complies with Directive 2002/95/EC (RoHS)



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	265°C for 10 s		





Electrical Characteristics

Characteristic	<u> </u>	Sym	Notes	Min	Тур	Max	Units
Nominal Center Frequency		f _C	1	75.000			MHz
Passband	Insertion Loss at fc	IL	'		12.5	16.0	dB
	1dB Passband	BW ₁		±6.35	±7.43		MHz
Fast Amplitude Ripple over fc ±6.35 MHz			1, 2			1.5	dB _{P-P}
	Group Delay Variation over fc ±6.35 MHz	GDV			75	200	ns _{P-P}
Rejection	fc-100 to fc-10.95 and fc+18.8 to fc+100 MHz		1, 2, 3	40	45		dB
	fc+10.95 to fc+18.8 MHz		1, 2, 3	30	36		_ ub
Operating Temperature Range		T_A	1	-40		+85	°C
Differential Input and Output Impedance		250 ohms					
Case Style			6	SMP-03 7 x 5 mm Nominal Footprint			
Lid Symbolization (YY=year, WW=week, S=shift) See note 4			O	RFM SF1141B YYWWS			

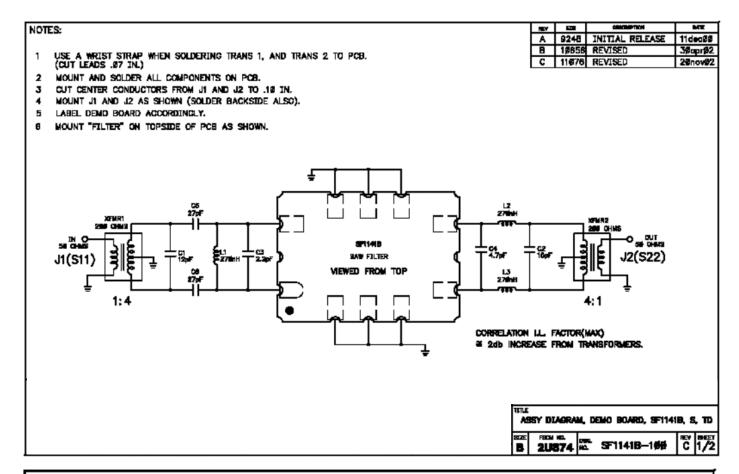
Electrical Connections

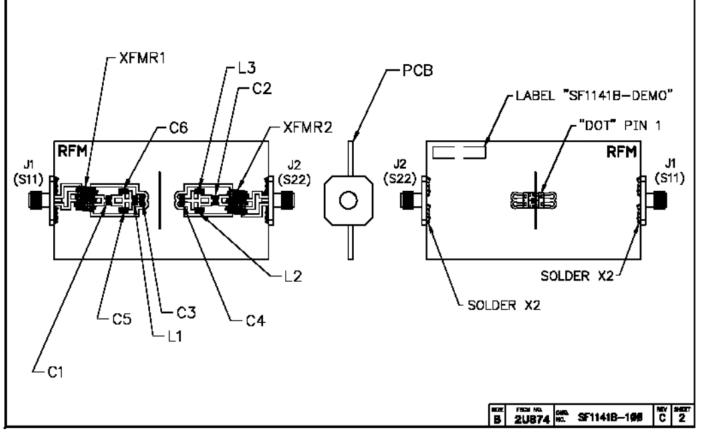
Connection	Terminals
Port 1 Hot	10
Port 1 Ground Return	1
Port 2 Hot	5
Port 2 Ground Return	6
Case Ground	All Others

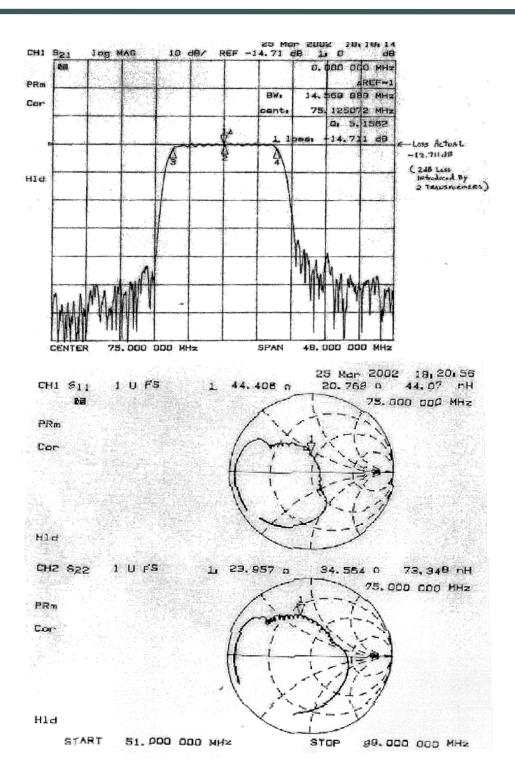


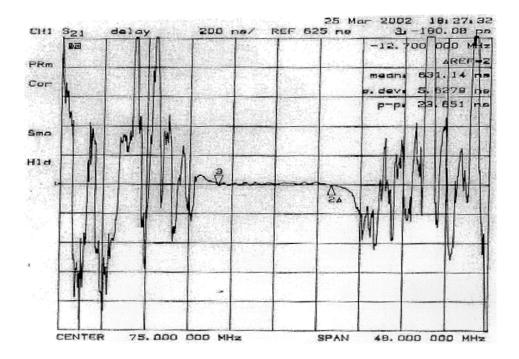
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling. NOTES:

- Unless noted otherwise, all specifications apply over the operating temperature range with filter soldered to the specified demonstration board with impedance
- Unless noted of the wise, all specifications apply over the operating temperature range with mice solidate to the specific definition of the specific defin 2, so that the filter must always be installed in one direction per the circuit design.
- US and international patents may apply.

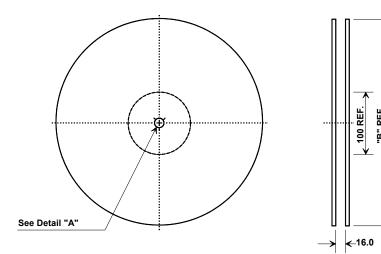


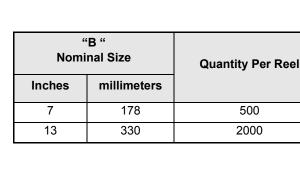


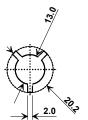




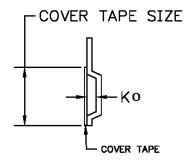
Tape and Reel Specifications



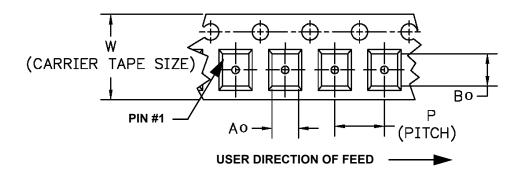




COMPONENT ORIENTATION and DIMENSIONS

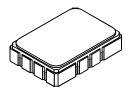


Carrier Tape Dimensions	Tolerance	
Ao	5.5 mm	± 0.1mm
Во	7.5 mm	± 0.1mm
Ко	2.0 mm	± 0.1mm
Pitch	8.0 mm	± 0.1mm
W	16.0 mm	± 0.2mm

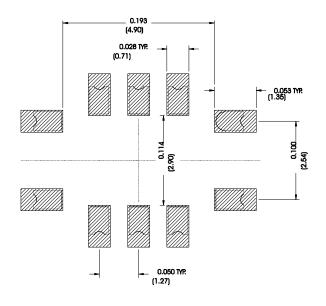


SMP-03 Case

10-Terminal Ceramic Surface-Mount Case 7 x 5 mm Nominal Footprint



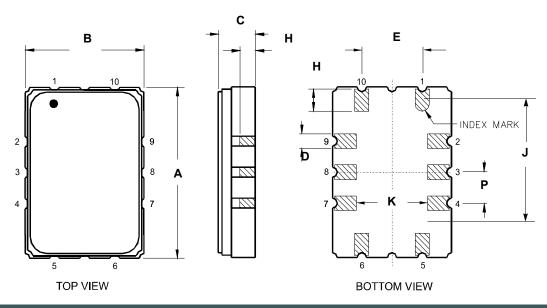
Recommended PCB Footprint



Case Dimensions						
Dimension	mm		Inches			
	Min	Nom	Max	Min	Nom	Max
Α	6.80	7.00	7.20	0.268	0.276	0.283
В	4.80	5.00	5.20	0.189	0.197	0.205
С		1.65	2.00		0.065	0.079
D	.47	0.60	.73	0.019	0.024	0.029
E	2.41	2.54	2.67	0.095	0.100	0.105
Н	0.87	1.0	1.13	0.034	0.039	0.044
J	4.87	5.00	5.13	0.192	0.197	0.202
K	2.87	3.00	3.13	0.113	0.118	0.123
P	1.14	1.27	1.40	0.045	0.050	0.055

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

cal Connections	
Connection	Terminals
Input or Return	10
Return or Input	1
Output or Return	5
Return or Output	6
Ground	All others
Ended Operation	Return is ground
ntial Operation	Return is hot
	Connection Input or Return Return or Input Output or Return Return or Output Ground Ended Operation



单击下面可查看定价,库存,交付和生命周期等信息

>>Murata(村田)