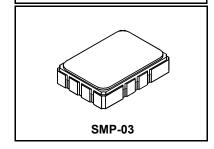




RFM products are now Murata products.

SF1146B

499.25 MHz **SAW Filter**



Low Insertion Loss

- 5.0 X 7.0 mm Surface-Mount Case
- Complies with Directive 2002/95/EC (RoHS)

Absolute Maximum Ratings

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

Electrical Characteristics

Characteristic		Notes	Min	Тур	Max	Units
Nominal Center Frequency		1	499.25		MHz	
Passband Insertion Loss at fc	IL	'			3.5	dB
1.5 dB Passband	BW ₁	1, 2	±15			kHz
Rejection fc±1.5 MHz		1, 2, 3	5			
fc±6.0 MHz		1, 2, 3	20			dB
fc±50 MHz			50			1
Operating Temperature Range	T _A	1	-40		+85	°C
Differential Input and Output Impedance after matching	ntial Input and Output Impedance after matching 50 ohms		•			
Case Style		6	SMF	P-03 7 x 5 mm	Nominal Foot	orint
Lid Symbolization (YY=year, WW=week, S=shift) See note 4				RFM SF1146	B 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



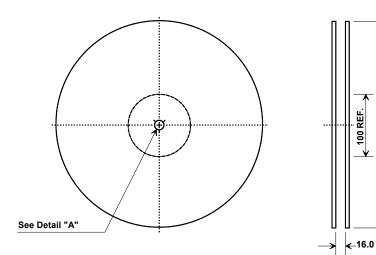
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling. NOTES:

Unless noted otherwise, all specifications apply over the operating temperature range with filter soldered to the specified demonstration board with impedance matching to $50~\Omega$ and measured with $50~\Omega$ 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. "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. Tape and Reel Standard ANSI / EIA 481. 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

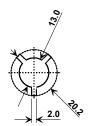
US and international patents may apply.

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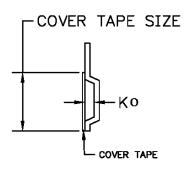
Tape and Reel Specifications



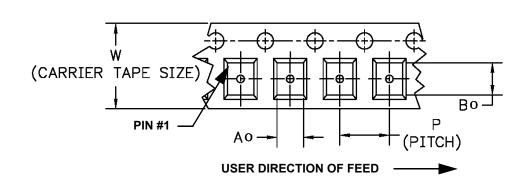
"B " Nominal Size		Quantity Per Reel
Inches	millimeters	
7	178	500
13	330	2000



COMPONENT ORIENTATION and DIMENSIONS

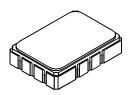


Carrier Tape Dimensions			
Ao	5.5 mm		
Во	7.5 mm		
Ко	2.0 mm		
Pitch	8.0 mm		
W	16.0 mm		

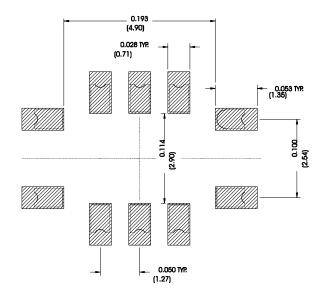


SMP-03 Case

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



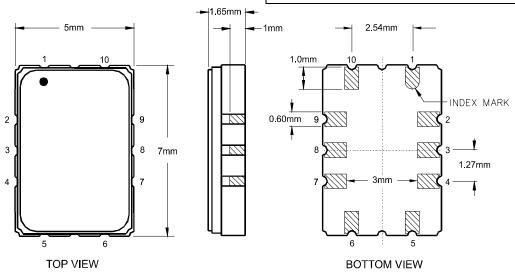
Recommended PCB Footprint



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		0.60			0.024	
E		2.54			0.100	
Н		1.0			0.039	
J		5.00			0.197	
K		3.00			0.118	
Р		1.27			0.050	

Electrical Connections			
	Connection	Terminals	
Port 1	Input or Return	10	
	Return or Input	1	
Port 2	Output or Return	5	
	Return or Output	6	
Ground		All others	
Single Ended Operation		Return is ground	
Differential Operation		Return is hot	

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				



单击下面可查看定价,库存,交付和生命周期等信息

>>Murata(村田)