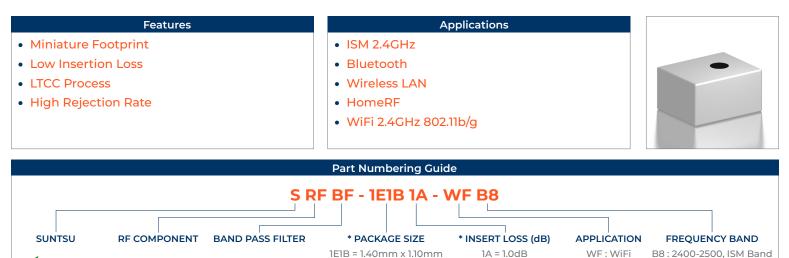
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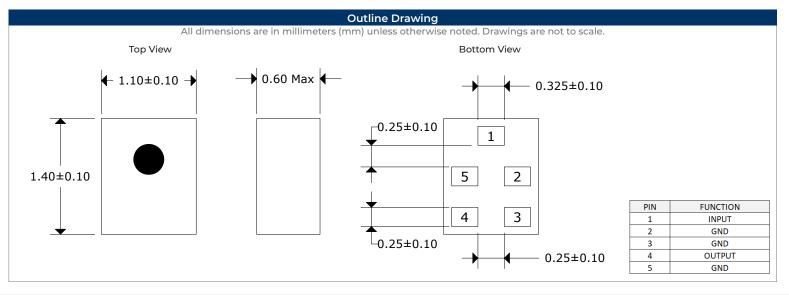
1.40mm x 1.10mm



RoHS

* Where letters denote decimal location (A=.0, B=.1, C=.2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency	MHz	2400		2500	
Insertion Loss @ 25°C	dB			1.0	
Insertion Loss @ -40°~105°C	dB			1.2	
VSWR				2.0	
Impedance	Ω		50		
Power Capacity	W			2	
Operating Temperature Range	°C	-40		105	
Storage Temperature Range	°C	-40		105	
Attenuation @ 50~960MHz	dB	15			
Attenuation @ 1710~1990MHz	dB	10			
Attenuation @ 3600MHz	dB	15			
Attenuation @ 4800~7200MHz	dB	25			



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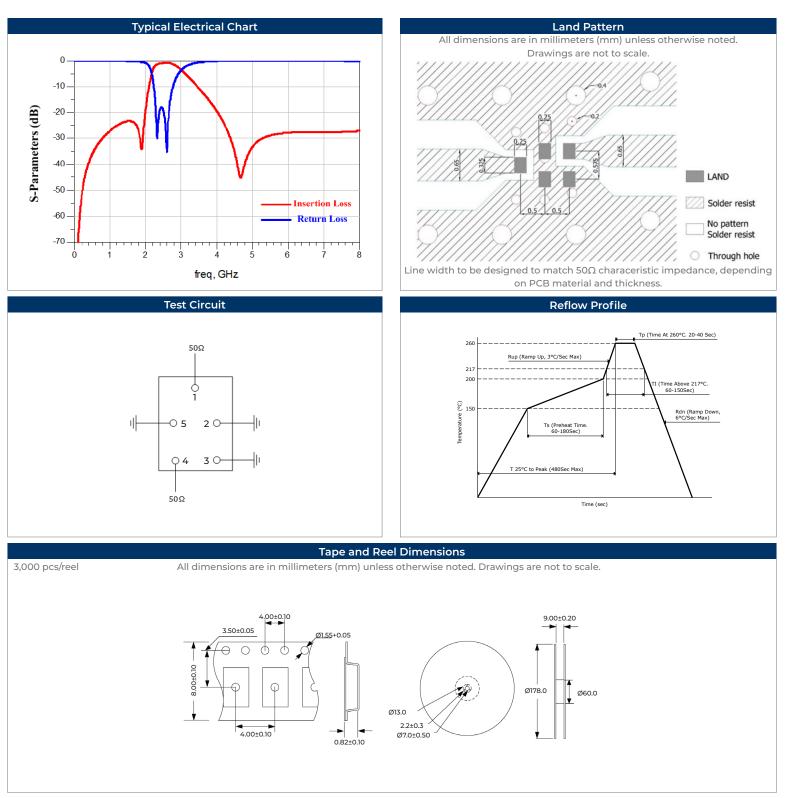
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Multilayer Ceramic Band Pass Filter SRFBF-1E1B1A-WFB8 1.40mm x 1.10mm



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Multilayer Ceramic Band Pass Filter SRFBF-1E1B1A-WFB8 1.40mm x 1.10mm

	Reliability Test	
Test Item	Test Conditions/Test Method	Specification
Solderability JIS C 0050-4.6 JESD22-B102D	*Solder bath temperature : 235±5°C *Immersion time : 2±0.5 sec Solder : Sn3Ag0.5Cu for lead-free	At least 95% of a surface of each terminal electrode must be covered by fresh solder.
Leaching (Resistance to dissolution of metallization) IEC 60068-2-58	*Solder bath temperature : 260±5°C *Leaching immersion time : 30±0.5 sec Solder : SN63A	Loss of metallization on the edges of each electrode shall not exceed 25%
Resistance to soldering heat JIS C 0050-5.4	*Preheating temperature : 120~150°C, 1 minute *Solder temperature : 270±5°C *Immersion time : 10±1 sec Solder : Sn3Ag 0.5Cu for lead-free Measurement to be made after keeping at room temperature for 24±2 hrs.	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature ranger within -40~85°C. Loss of metallization on the edges of each electrode shall not exceed 25%
Drop Test JIS C 0044	*Height : 75 cm *Test surface : Rigid surface of concrete or steel. *Times : 6 surfaces for each unit; 2 times each side.	No mechanical damage. Electrical specification shall satisfy the description in electrical characteristics under the operational temperature range within -40~85°C.
Vibration JIS C 0040	*Frequency : 10Hz~55Hz~10Hz (1 min) *Total amplitude : 1.5mm *Test times : 6hrs (two hrs each in three mutually perpendicular directions)	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature range within -40~85°C.
Adhesive Strength of Termination JIS C 0051-7.4.3	*Pressurizing force : 5N(≤603) ; 10N(>0603) *Test time : 10±1 sec	No remarkable damage or removal of the termination
Bending Test JIS C 0051-7.4.1	The middle part of substrate shall be pressurized by means of the pressurizing rod at a rate of about 1mm/s per second until the deflection becomes 1mm/s and then pressure shall be maintained for 5±1 sec. Measurement to be made after keeping at room temperature for 24±2 hours.	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature range within -40~85°C.
Temperature Cycle JIS C 0025	 30±3 minutes at -40°C±3°C 10~15 minutes at room temperature 30±3 minutes at 85°C±3°C 10~15 minutes at room temperaure Total 100 continuous cycles Measurement to be made after keeping at room temperature for 24±2 hous. 	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature range within -40~85°C.
High Temperature JIS C 0021	*Temperature : 85°C±2°C *Test duration : 1000+24/-0 hours Measurement to be made after keeping at room temperature for 24±2 hours.	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature range within -40~85°C.
Humidity (steady conditions) JIS C 0022	*Humidity : 90% to 95% Relative Humidity *Temperature : 40°C±2°C *Time : 1000+24/-0 hours Measurement to be made after keeping at room temperature for 24±2 hours. **500hrs measuring the first data then 1000hrs data	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature range within -40~85°C.
Low Temperature JIS C 0020	*Temperature : -40°C±2°C *Test duration : 1000+24/-0 hours Measurement to be made after keeping at room temperature for 24±2 hours.	No mechanical damage. Eletrical specification shall satisfy the descriptions in electrical characteristics under the operational temperature range within -40~85°C.

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