

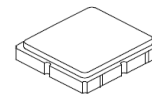
- Complies with Directive per ANSI/EIA-481
- Moisture Sensitivity Level: 1

Absolute Maximum Ratings

Rating	Value	Units
Input Power Level	10	dBm
DC Voltage	3	V
Operable Temperature Range	-40 to +85	°C
Storage Temperature Range	-40 to +85	°C

SF2763E

**950.5 MHz
SAW Filter**



SM3030-6

Electrical Characteristics

Item	Unit	Min	Typ	Max
Center Frequency F_c	MHz		950.5	
Insertion Loss 941 - 960 MHz (@ 25°C)	dB		2.6	3.3
Insertion Loss 941 - 960 MHz (+5°C to +45°C)	dB		3.1	3.5
Insertion Loss 941 - 960 MHz (-40°C to +85°C)	dB		4.5	6.5
Amplitude Ripple 941 - 960 MHz (@ 25°C)	dB		1.2	2.5
Attenuation (Reference level from 0dB)				
100 - 800 MHz	dB	45	48	
902 - 928 MHz	dB	25	36	
1100 - 1800 MHz	dB	32	41	
Temperature Coefficient of Frequency	ppm/K		-36 typ	

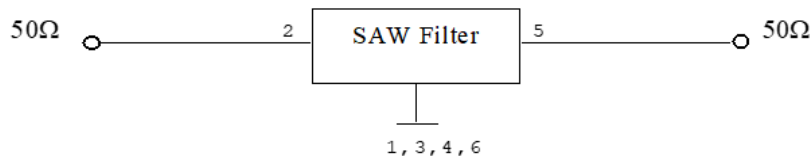


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

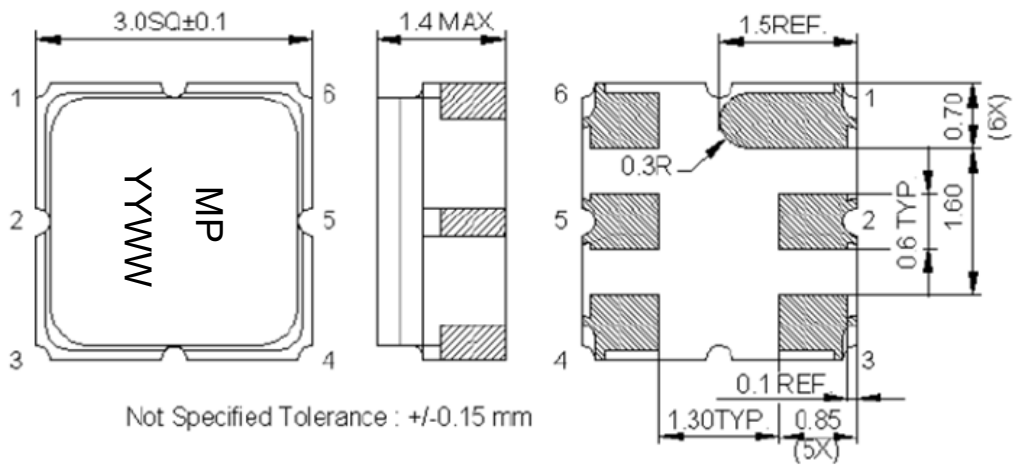
NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Measurement Circuit



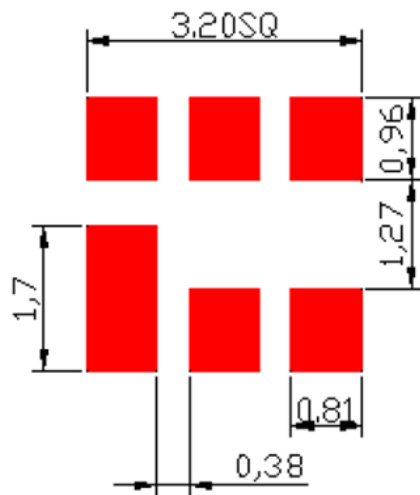
Outline Drawing



Marking:

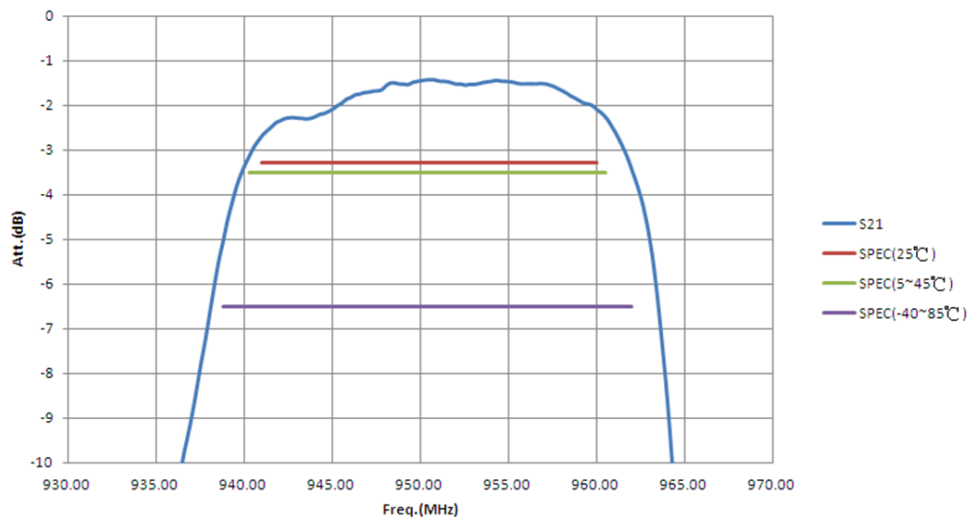
Y = Year, WW= Week, S = Shift

PCB Footprint

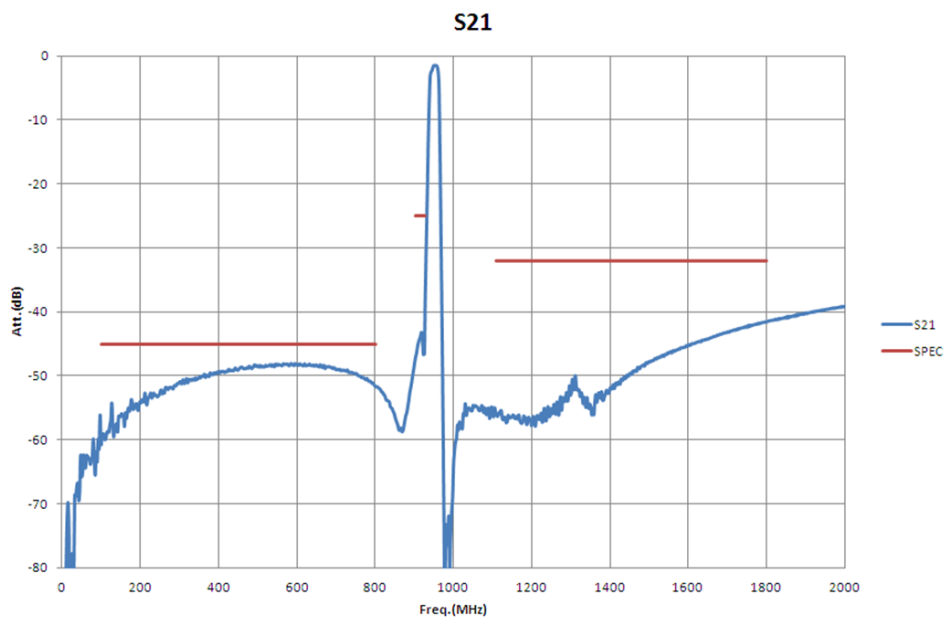


Frequency Characteristics

S21 Response: (span 40MHz)



S21 Response: (span 2000MHz)

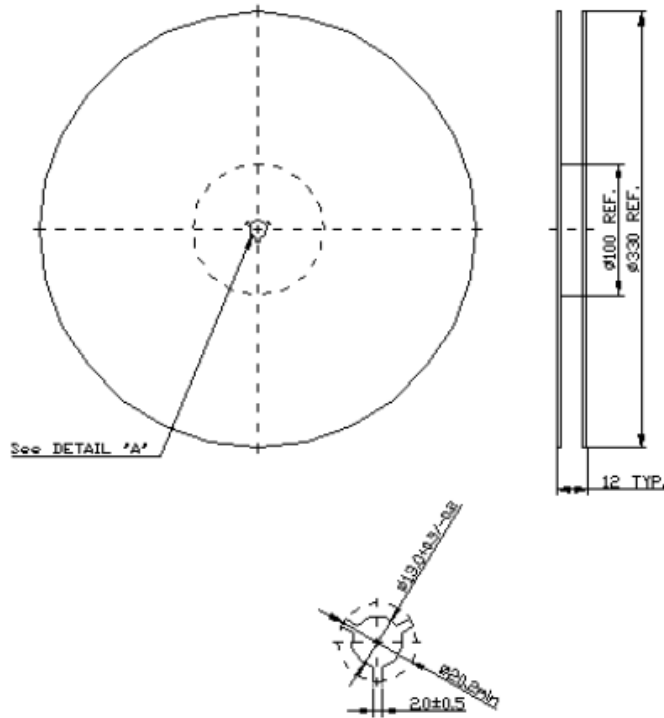


Packing

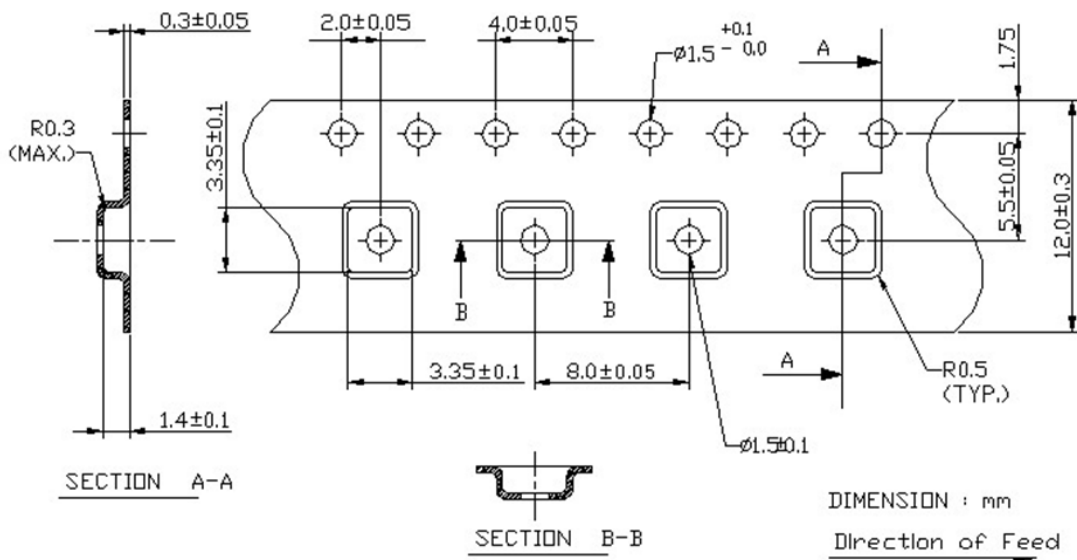
Reel Dimension

Tape and Reel Standard per ANSI/EIA-481

Reel Count:
7" = 500
13" = 3000



Tape Dimension



Recommended Reflow Profile

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40 seconds).
4. Time: 2 times maximum.

