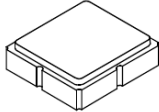


SF2675E
770 MHz SAW Filter
 SM3030-6

MAXIMUM RATING:

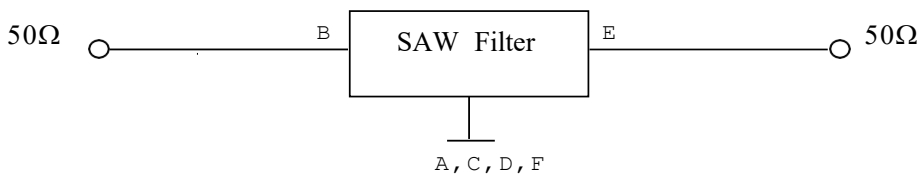
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +80°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: 1

ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency	F_c	-	770	-	-
Insertion Loss (764 ~ 776 MHz)	IL	-	2.1	3.0	-
Amplitude Ripple (764 ~ 776 MHz)	dB	-	0.6	1.5	-
VSWR (764 ~ 776 MHz)	-	-	1.6	2	-
Attenuation (Reference level from 0 dB)					
560 ~ 730 MHz	dB	48	51.4	-	-
849 ~ 900 MHz	dB	50	64	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

MEASUREMENT CIRCUIT:

HP Network analyzer

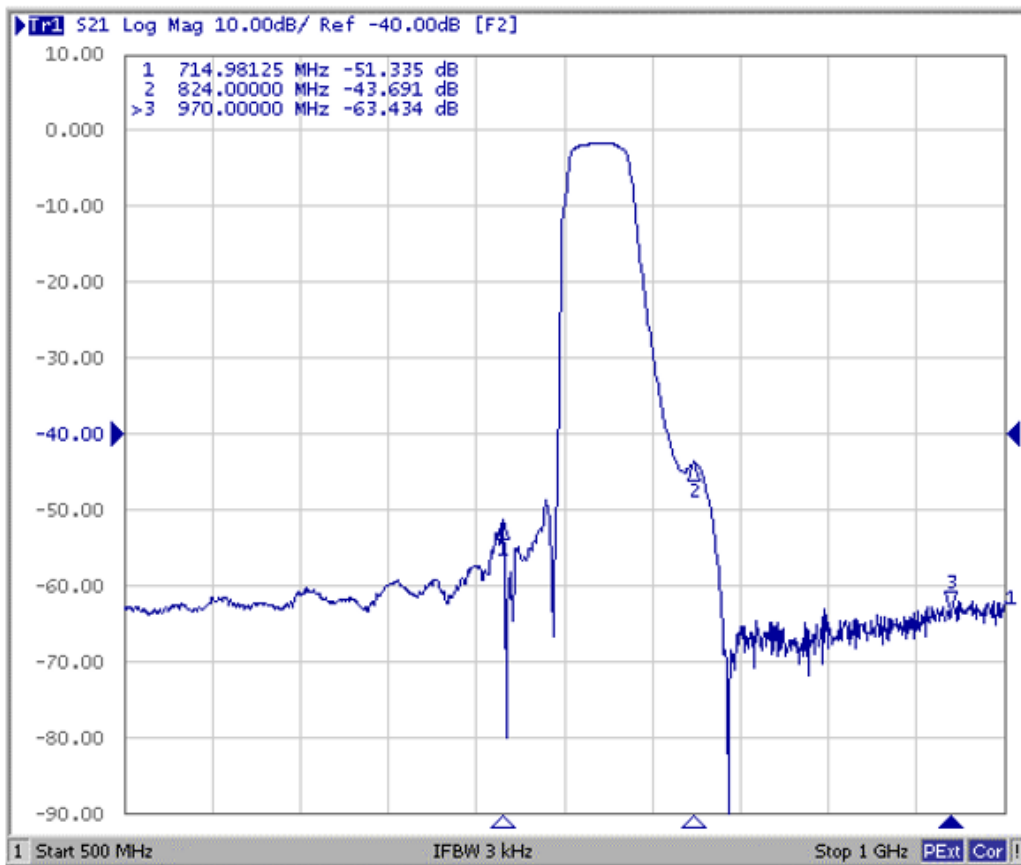
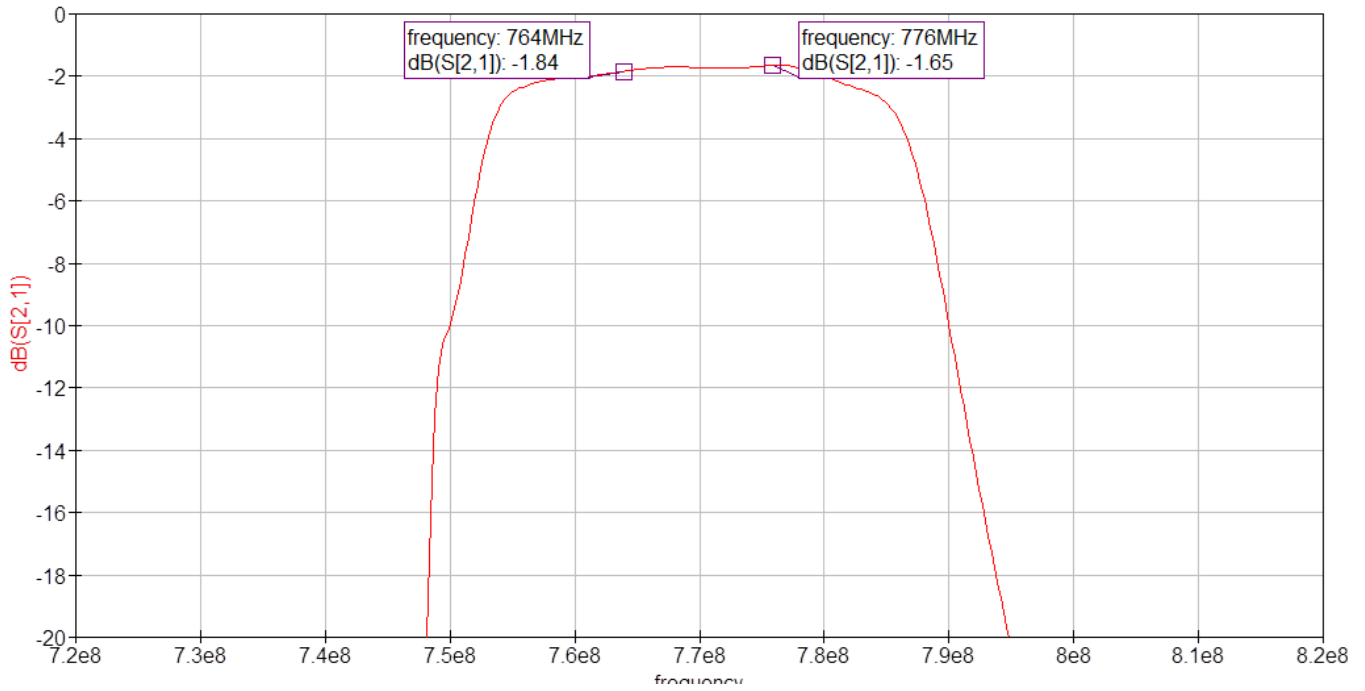


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

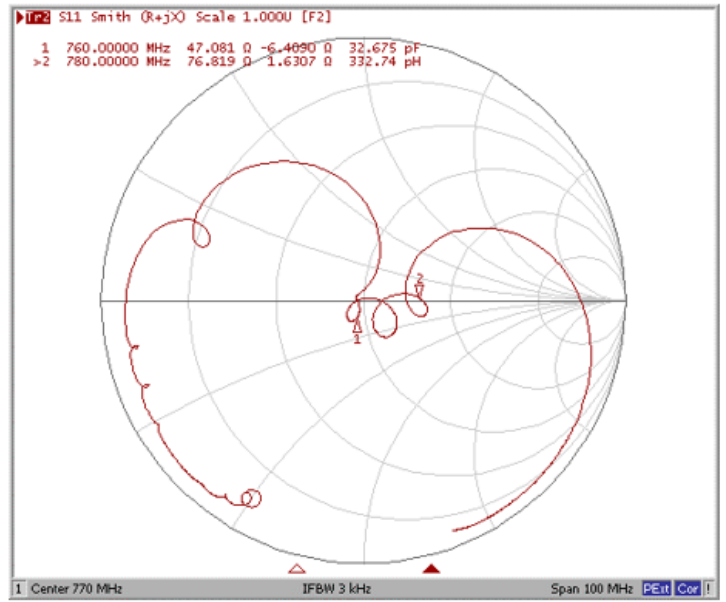
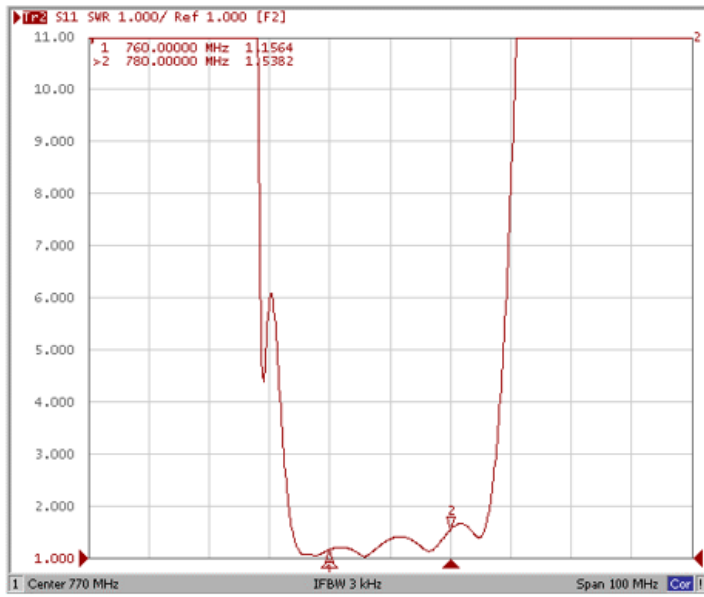
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Frequency Characteristics :

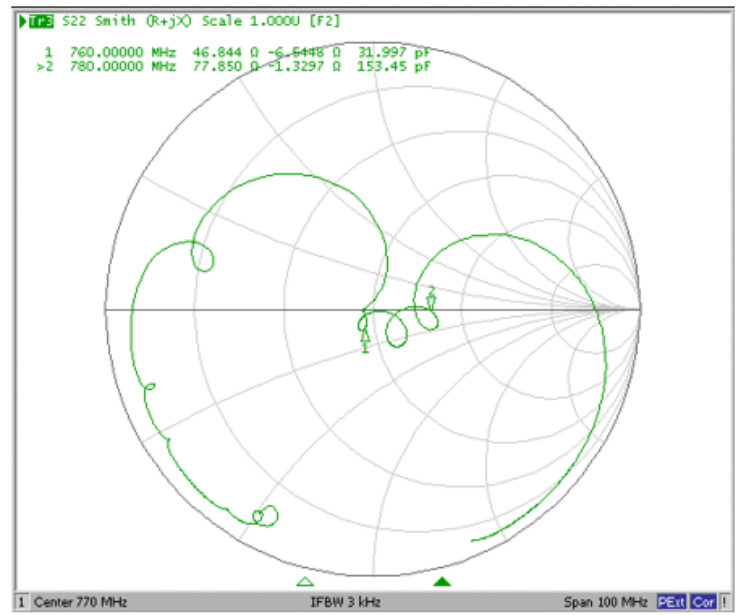
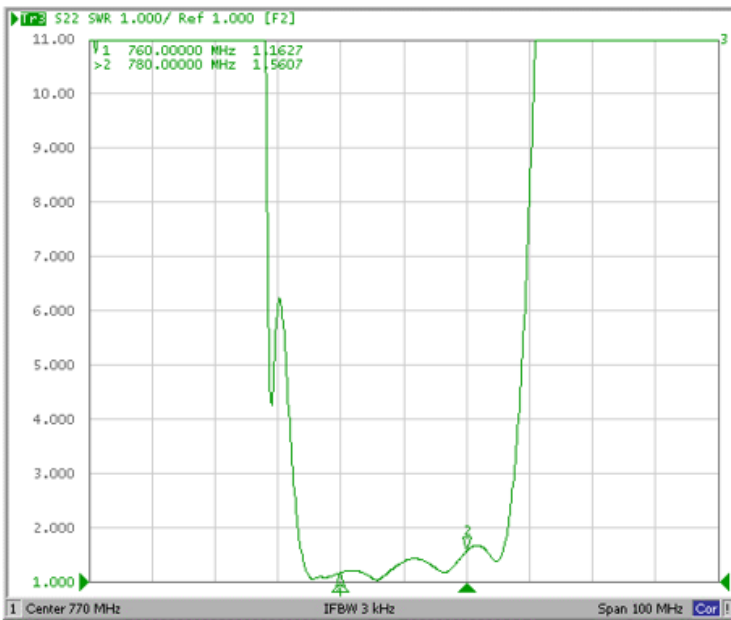


Reflection Functions :

S11

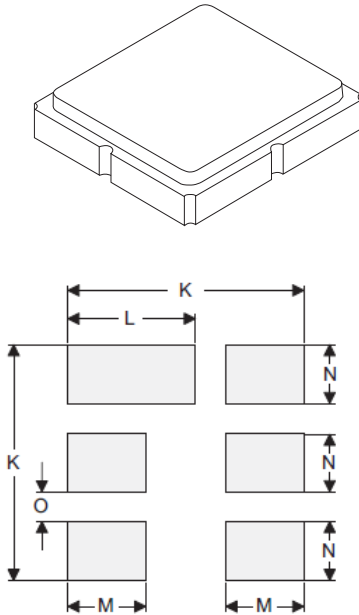


S22



SM3030-6 Case

6-Terminal Ceramic Surface-Mount Case 3.0 X 3.0 mm Nominal Footprint



PCB Footprint Top View

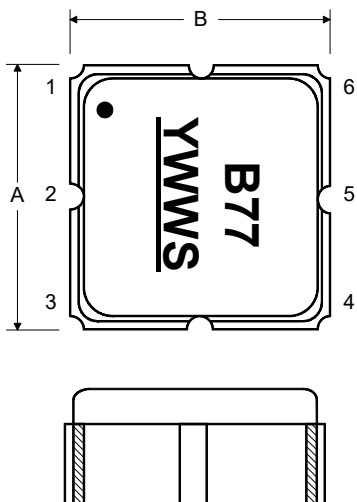
Case and PCB Footprint Dimensions

Dimension	mm			Inches		
	Min	Nom	Max	Min	Nom	Max
A	2.87	3.00	3.13	0.113	0.118	0.123
B	2.87	3.00	3.13	0.113	0.118	0.123
C	1.12	1.25	1.38	0.044	0.049	0.054
D	0.77	0.90	1.03	0.030	0.035	0.040
E	2.67	2.80	2.93	0.105	0.110	0.115
F	1.47	1.60	1.73	0.058	0.063	0.068
G	0.72	0.85	0.98	0.028	0.033	0.038
H	1.37	1.50	1.63	0.054	0.059	0.064
I	0.47	0.60	0.73	0.019	0.024	0.029
J	1.17	1.30	1.43	0.046	0.051	0.056
K		3.20			0.126	
L		1.70			0.067	
M		1.05			0.041	
N		0.81			0.032	
O		0.38			0.015	

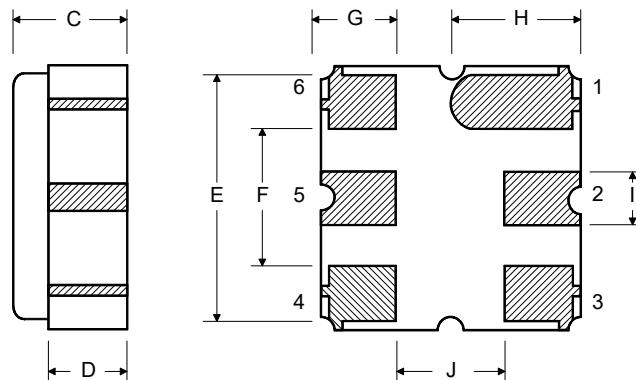
Case Materials

Materials	
Solder Pad Plating	0.3 to 1.0 μm Gold over 1.27 to 8.89 μm Nickel
Lid Plating	2.0 to 3.0 μm Nickel
Body	Al_2O_3 Ceramic

TOP VIEW



BOTTOM VIEW



PACKING:

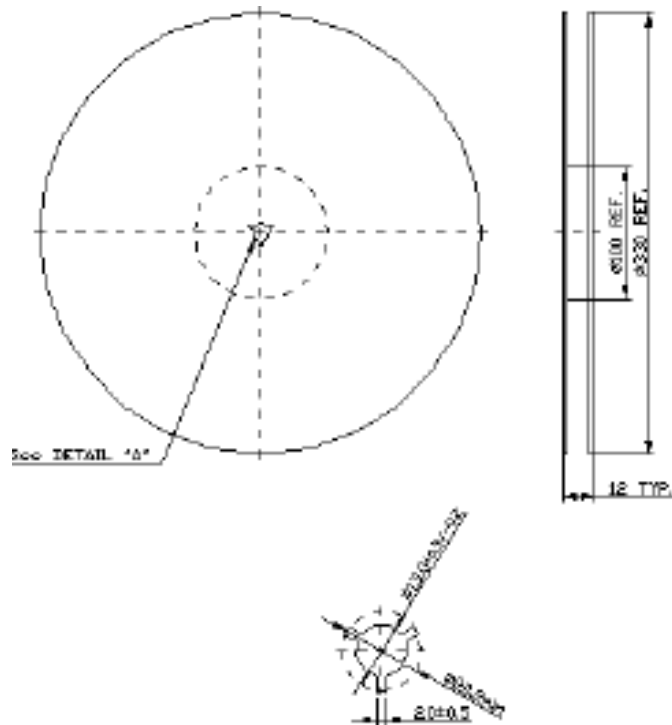
REEL DIMENSION

Tape and Reel Standard per ANSI/EIA-481

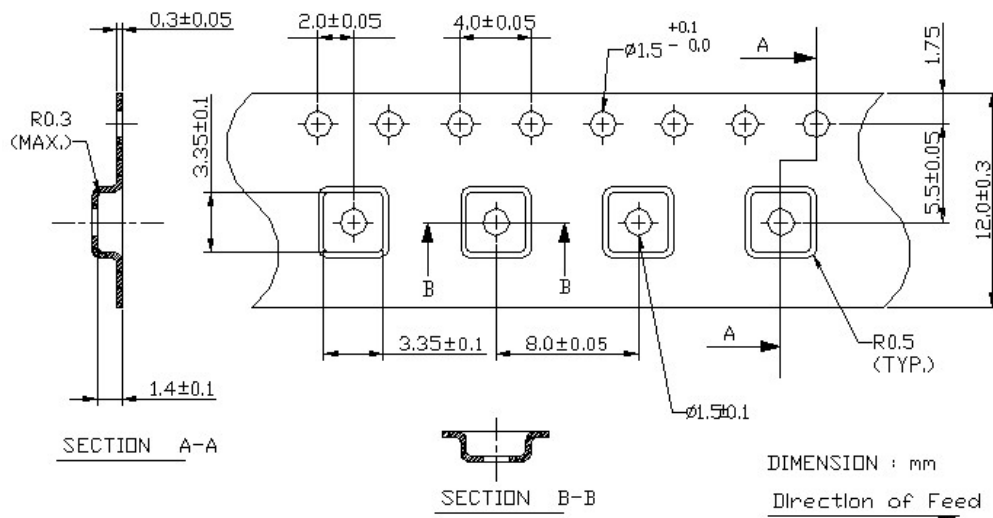
Reel Count:

7" = 500

13" = 3000



2. TAPE DIMENSION



RECOMMENDED REFLOW PROFILE:

1. Preheating shall be at 150~180 °C for 60~90 seconds.
2. Ascending time preheating temperature 150 °C shall be 30 seconds min.
3. Heating shall be fixed at 220 °C for 50~80 seconds and at 245~260 °C peak (min. 10 sec.)
4. Time: 2 times.

