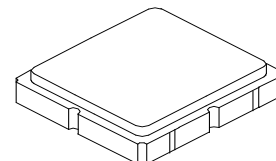


SF2528E

**3540 MHz
SAW Filter**



SM3030-6

- Complies with Directive 2002/95/EC (RoHS)
- Use for LTE band 42
- Moisture Sensitivity Level: 1

Maximum Rating

Rating	Value	Units
Input Power Level: 23 dBm, 2h, 95°C		
DC Voltage	3	V
Operating Temperature	-40 to +95	°C
Storage Temperature	-40 to +95	°C

ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	3540	-
Insertion Loss (3480~3600 MHz) IL	dB	-	3.6	4.6
Amplitude ripple (3480~3600)	dB _{p-p}	-	0.8	2.5
Amplitude Ripple (3480~3600 MHz) (over any 20 MHz span)	dB	-	1.1	1.8
VSWR (3480~3600 MHz)	-	-	1.9	2.4
Absolute group delay (3480~3600 MHz)	ns	-	5	20
Group delay ripple (3480~3600 MHz)	ns _{p-p}	-	5	15
Attenuation (Reference level from 0 dB)				
10 ~ 2000 MHz	dB	27	29	-
2000 ~ 3019 MHz	dB	20	29	-
3019 ~ 3233 MHz	dB	22	35	-
3233 ~ 3380 MHz	dB	10	36	-
3680 ~ 3700 MHz	dB	8	47	-
3700 ~ 3847 MHz	dB	15	41	-
3847 ~ 3908 MHz	dB	20	40	-
3908 ~ 5350 MHz	dB	15	37	-
5350 ~ 5500 MHz	dB	10	35	-
Temperature coefficient of frequency	ppm/k	-	-36	-

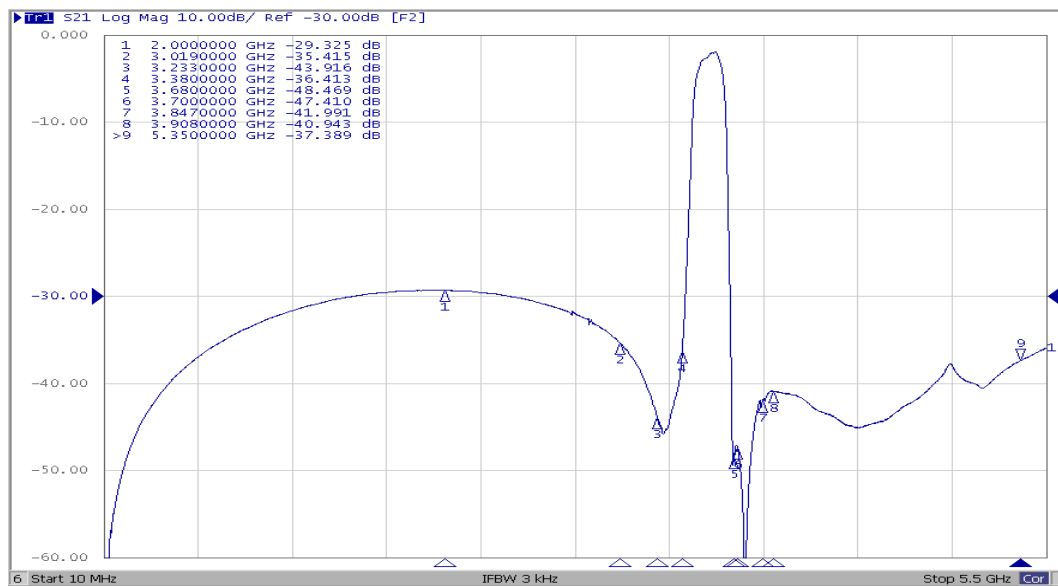
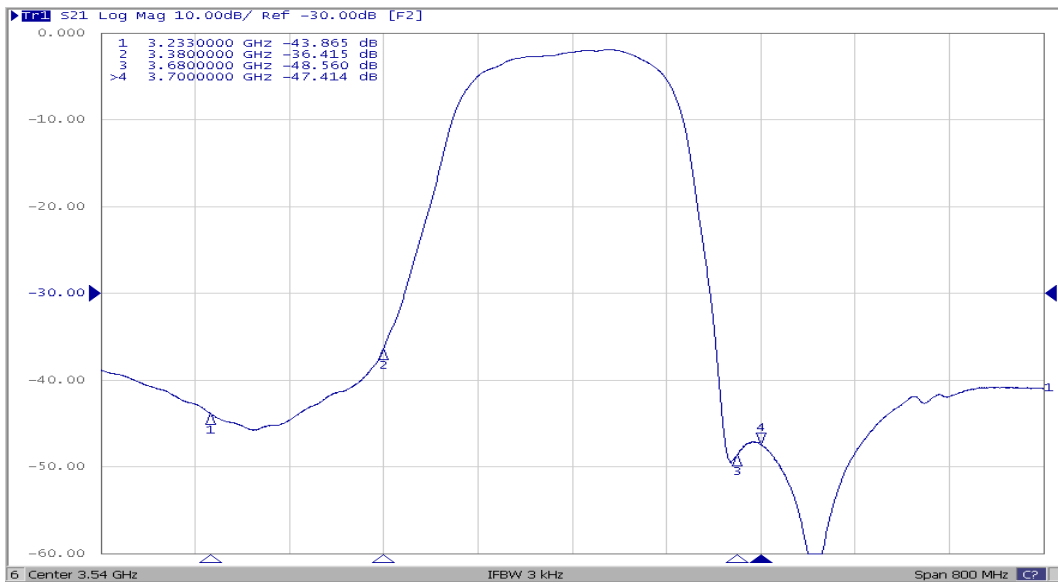
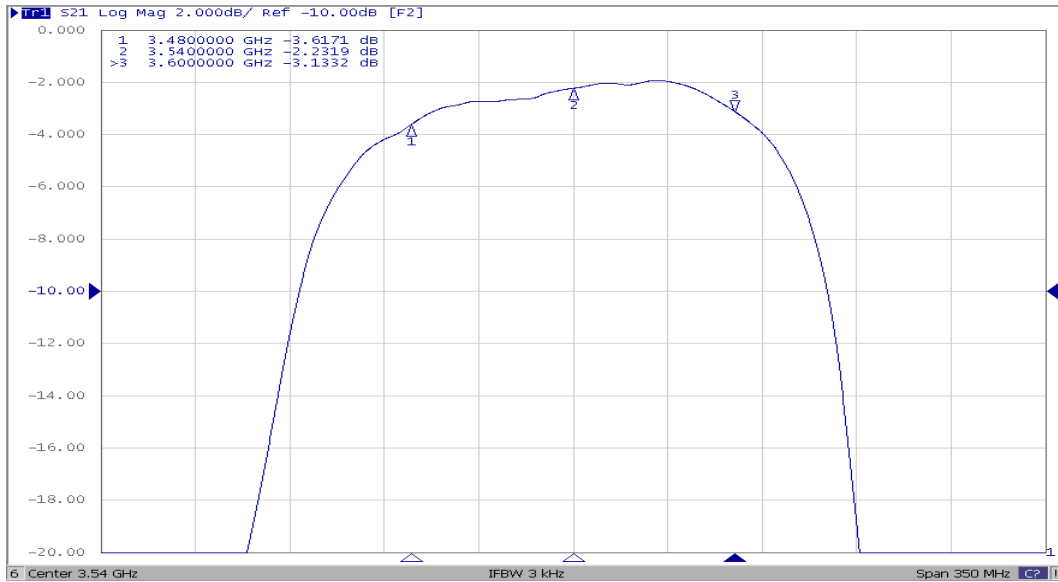


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

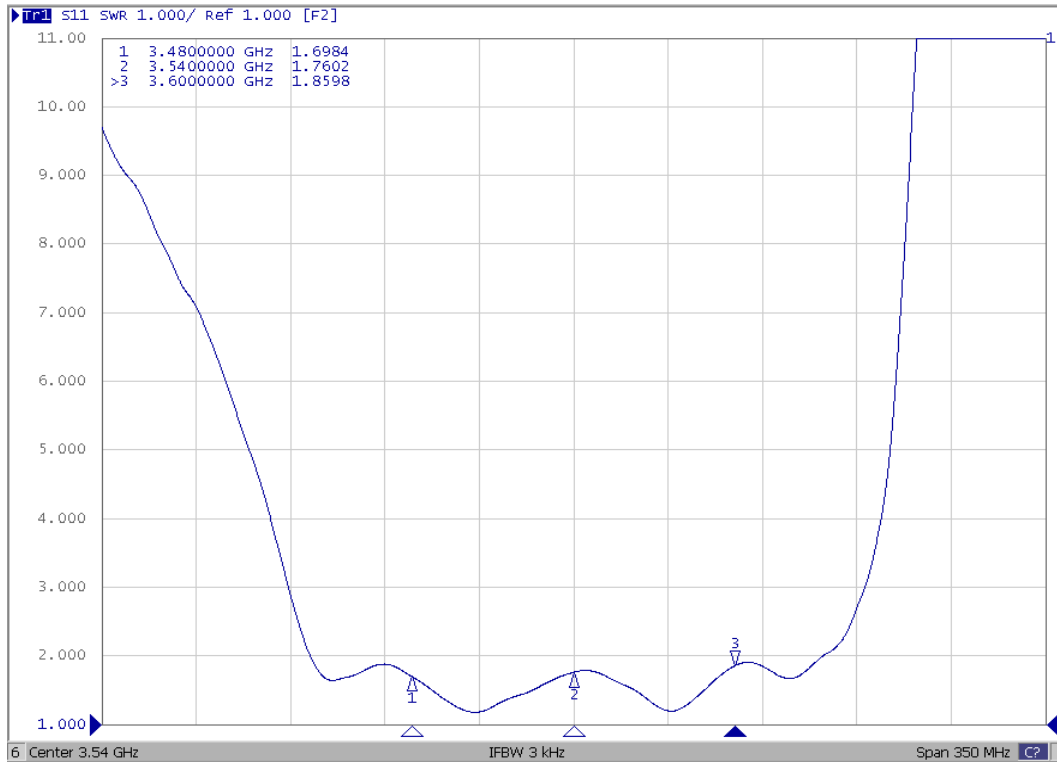
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Frequency Characteristics:

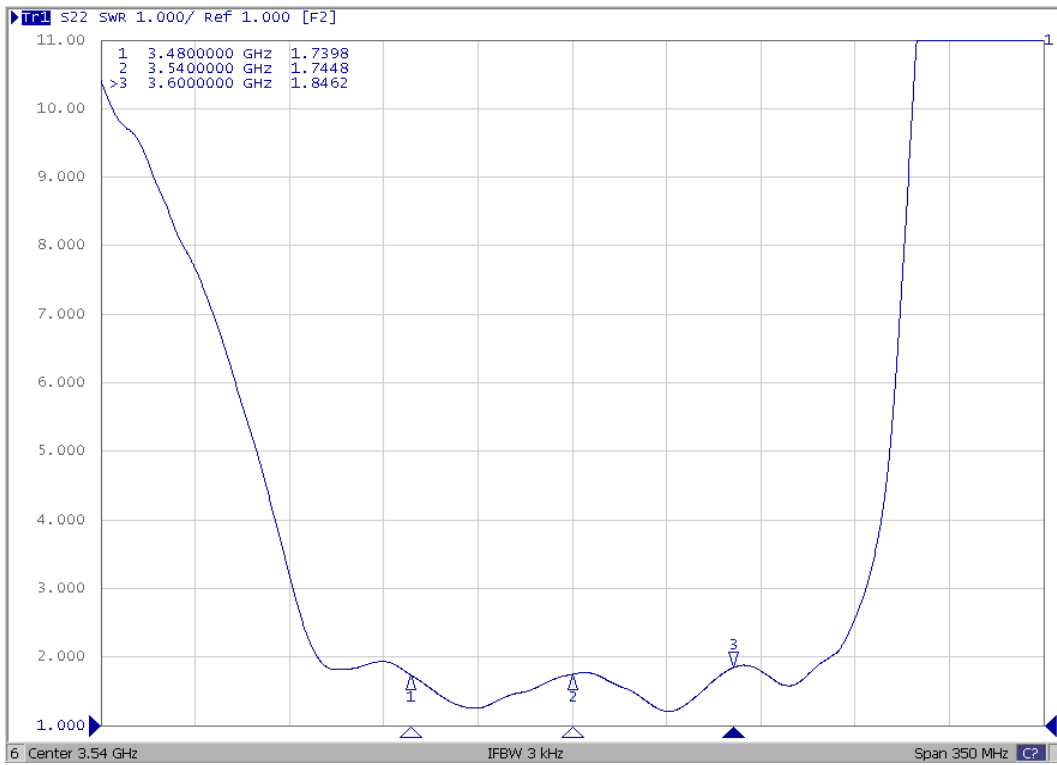


Reflection Functions:

S11

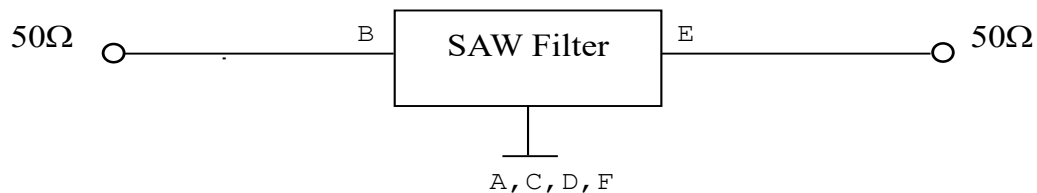


S22

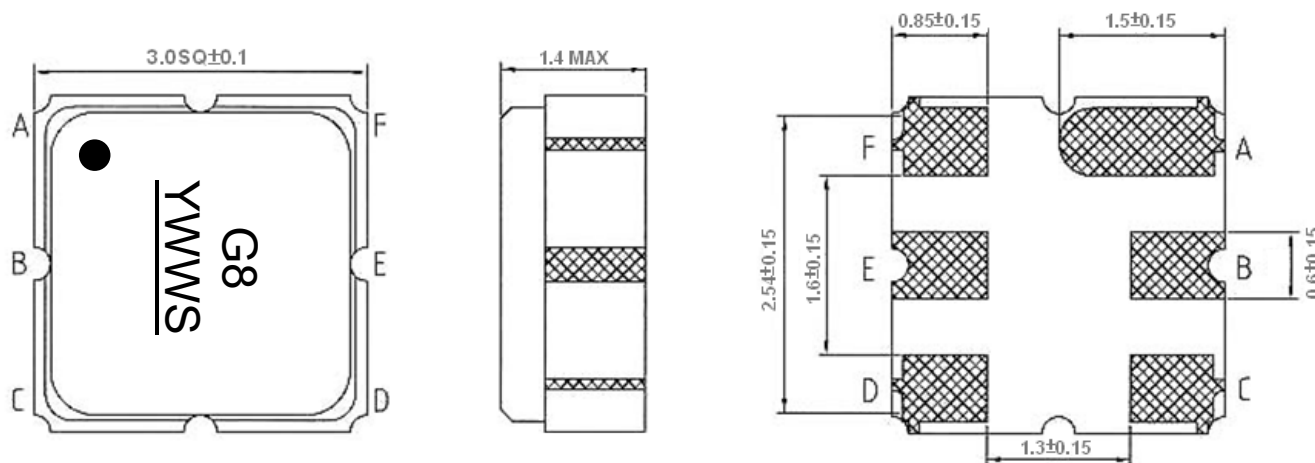


Measurement Circuit

HP Network analyzer

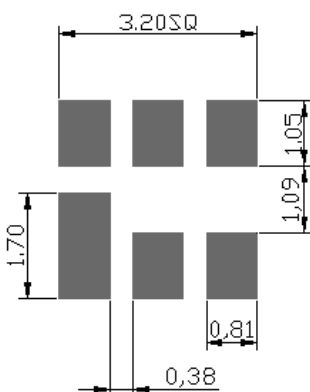


Outline Drawing



Y = Year, WW, = Week, S = Shift

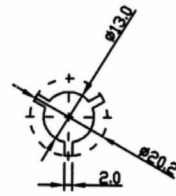
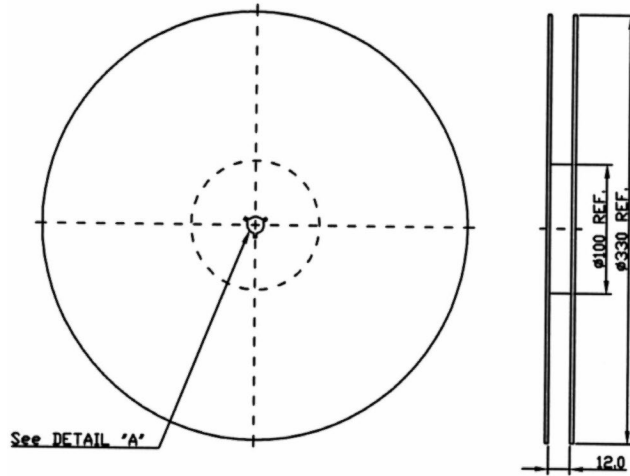
PCB Footprint



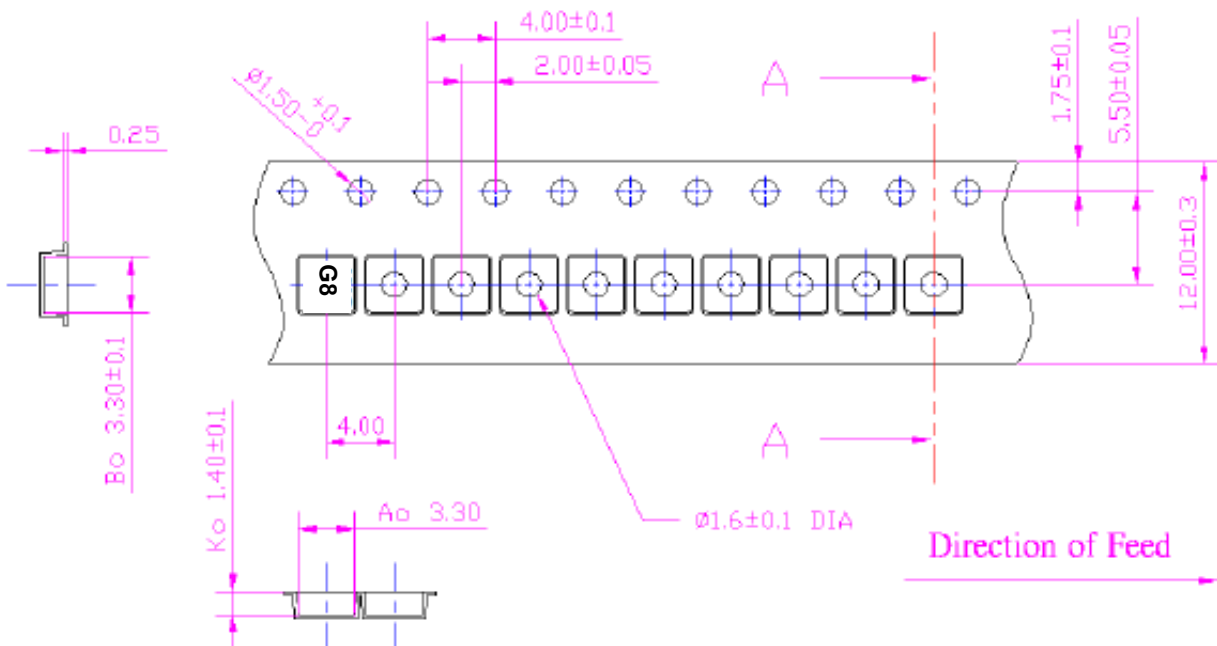
Packing

Reel Dimension

Tape and Reel Standard per ANSI/EIA-481



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 (10 seconds).
4. Time: 5 times maximum.

