



**Data Sheet**  
**2595MHz SAW 3030**  
**SPT2595M3030A**

V1.0

**Description:**

The Spectron SPT2595M3030A is a SAW filter that work frequency ranges from 2570 to 2620MHz. It is designed for applications in Base Station, IOT equipments and Information & Communications filed.

The SPT2595M3030A provides +10 dBm power handling, low insertion loss and high out of band rejection.

The design and manufacturing of the SPT2595M3030A exploit Spectron's exclusive TSAW technology to deliver competitive performance against state of the art at a low cost.

The SPT2595M3030A is compatible with high volume, lead-free SMT soldering processes.

**Features:**

- Single-Ended Input and Output
- Terminating Impedance: 50  $\Omega$
- RoHS Compliant

**Specifications:**

- Operation Temperature: -40°C to +85°C
- Usable passband 50.0 MHz
- Compact miniature size
  - 3.0 mm  $\times$  3.0 mm footprint
  - 1.25 mm max-height

**Applications:**

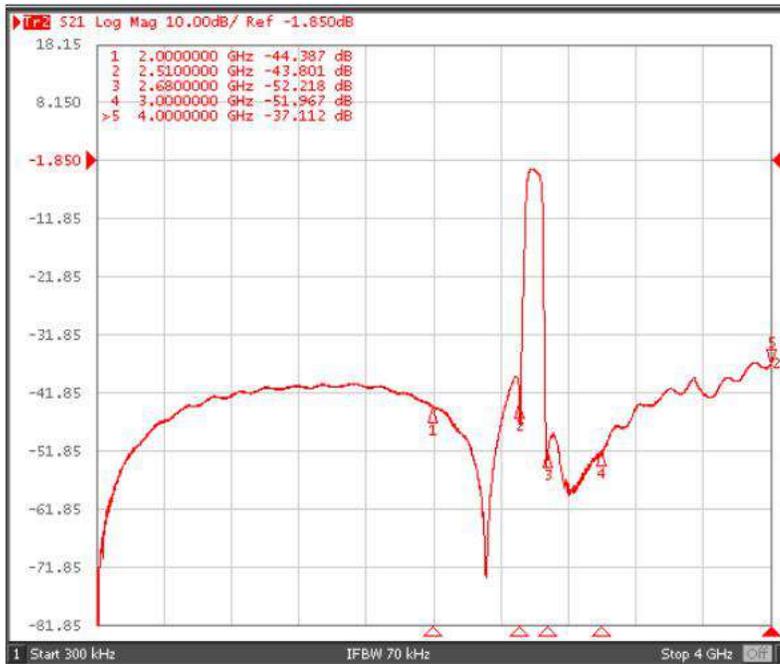
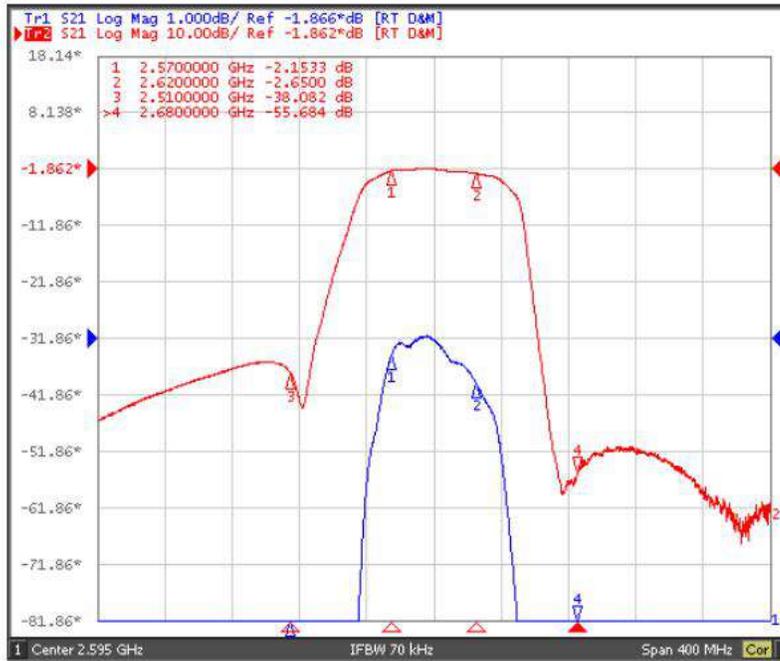
- IOT equipments
- Information & Communications Devices
- Base Station

**Electrical Specifications****Table 1** Electrical Specifications.

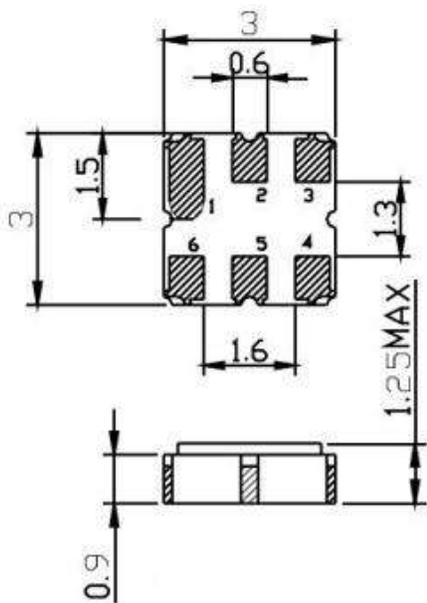
Test Temperature: 25°C±2°C

Item		Minimum	Typical	Maximum	Unit
Center Frequency	$f_c$		2595.0		MHz
Insertion Loss	2570.00-2620.00 MHz IL		2.7	4.0	dB
Amplitude Ripple (p-p)	2570.00-2620.00 MHz $\Delta a$		0.5	1.8	dB
Absolute Attenuation	$a$				
	DC-2000.00 MHz	35.0	38.0		dB
	2000.00-2510.00 MHz	30.0	35.0		dB
	2680.00-3000.00MHz	40.0	45.0		dB
	3000.00-4000.00 MHz	20.0	35.0		dB
VSWR	2570.00-2620.00 MHz		1.5:1	2.0:1	/

Figure Electrical Characteristics: Frequency response.

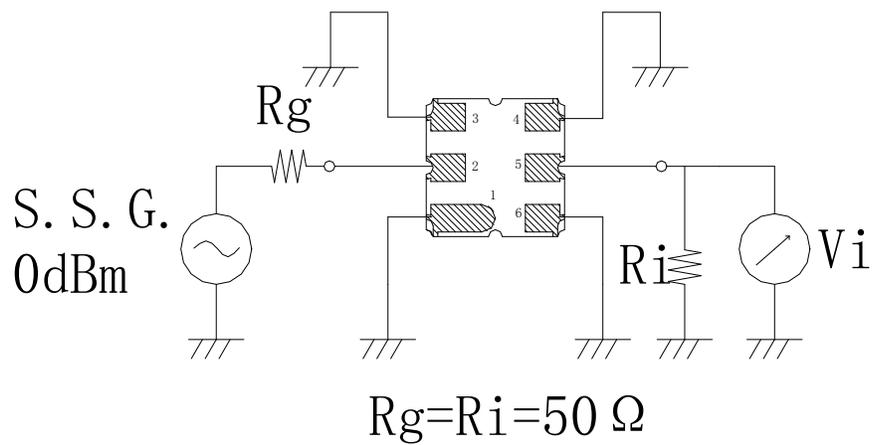


Package & Dimensions



Pin No.	Description
2	Input
5	Output
1,3,4,6	Ground

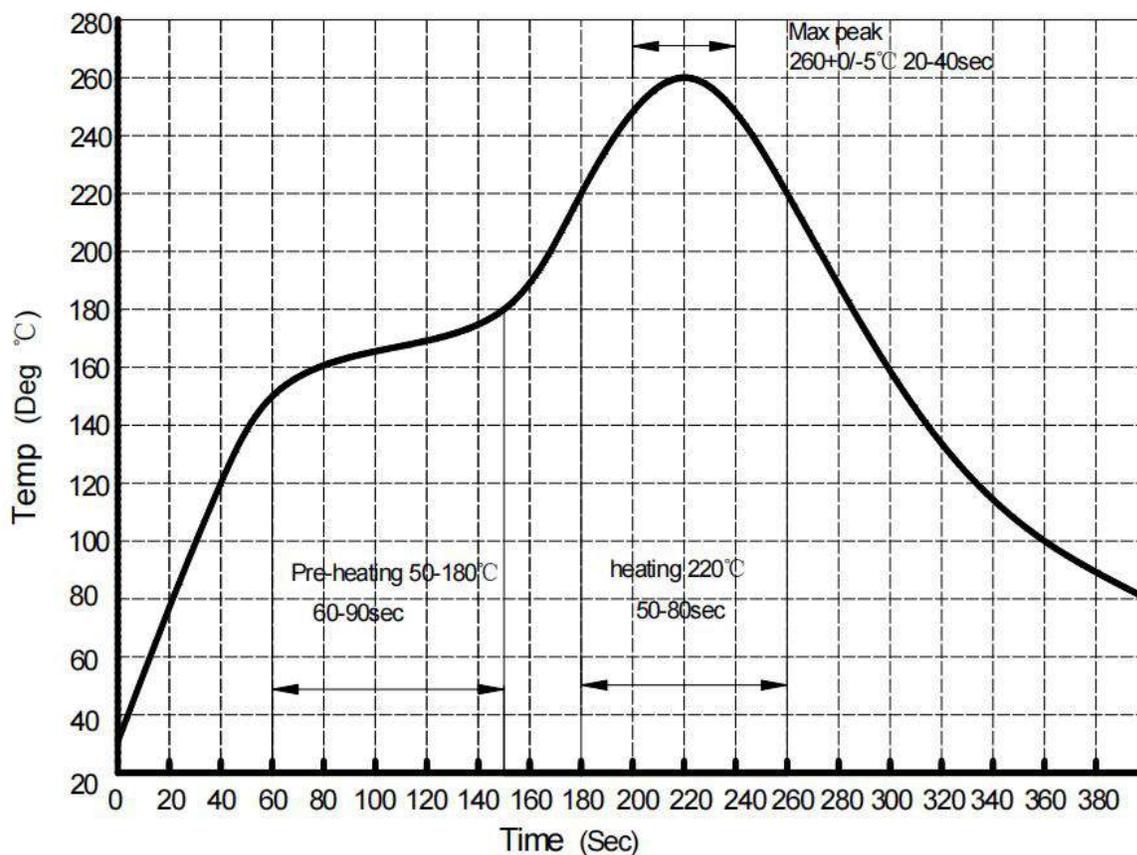
Test circuit



### Maximum Ratings

Item		Value	Unit
DC Voltage	$V_{DC}$	3	V
Operation Temperature	T	-40 ~ +85	°C
Storage Temperature	$T_{stg}$	-55 ~ +125	°C
RF Power Dissipation	P	10	dBm

### Recommended SMT Solder Profile



### Ordering Information

Part Number	Number of Devices	Container
SPT2595M3030A	1000pcs	Tape and Reel



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