

Electrical Specifications

Parameter		Unit	Min.	Typ.*	Max.	Remark
			-55 ~ +85 °C			
Center Frequency (F0)		MHz		1268		/
Insertion Loss (#)	1258 ~ 1278 MHz	dB	/	0.6	0.8	/
Insertion Loss (#)	1258 ~ 1278 MHz	dB	/	0.6	1.0	-55~+125 °C
Amplitude Ripple	1258 ~ 1278 MHz	dBp-p	/	0.2	0.4	/
Input/Output VSWR	1258 ~ 1278 MHz	/	/	1.3	1.8	/
Stopband Attenuation	10 ~ 1220 MHz	dB	35	41	/	/
	1320 ~ 2000 MHz	dB	30	33	/	/
	2690 ~ 6000 MHz	dB	42	47	/	/

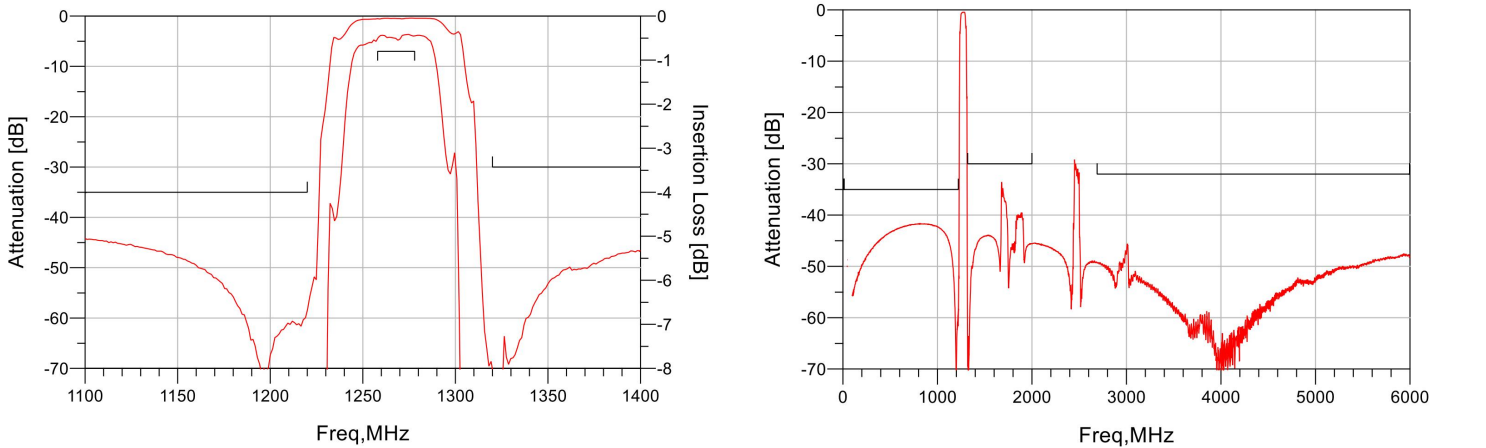
* Typical value at 25±2°C
(#) PCB loss is de-embedded

Environmental conditions & Power

Parameters	Unit	Min	Typ	Max
Operating Temperature Range	°C	-55	-	+125
Storage Temperature Range	°C	-55	-	+ 125
Maximum DC Voltage	V	-	-	3
Destructive Power① 10 mins; +25°C, CW Wave, VSWR=1:1	dBm	-	-	40
Power Handling① 80000h CW Wave, VSWR=1:1	dBm	-	-	37

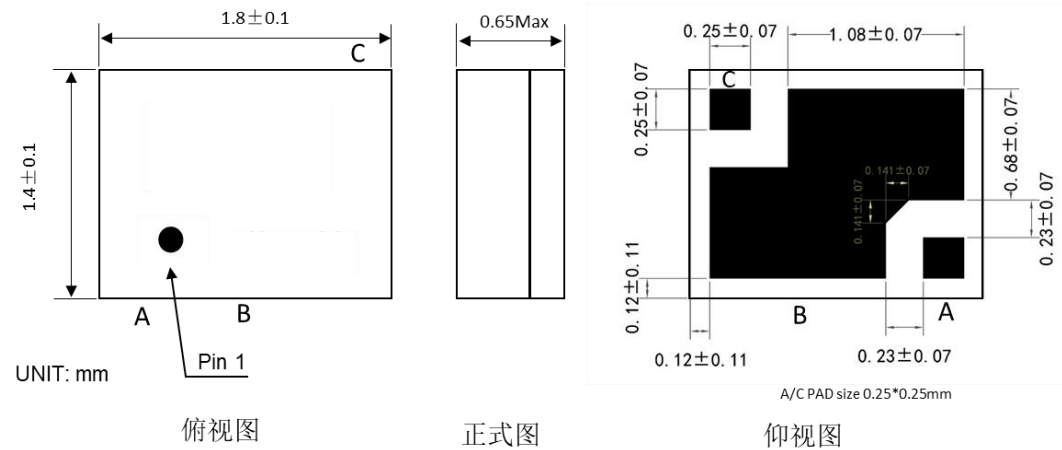
① All power tests are based on a 50Ω load.

Frequency Characteristics





Dimensions



Unit: mm

Pin Description

Pin	Description
B	Ground
A	Input
C	Output

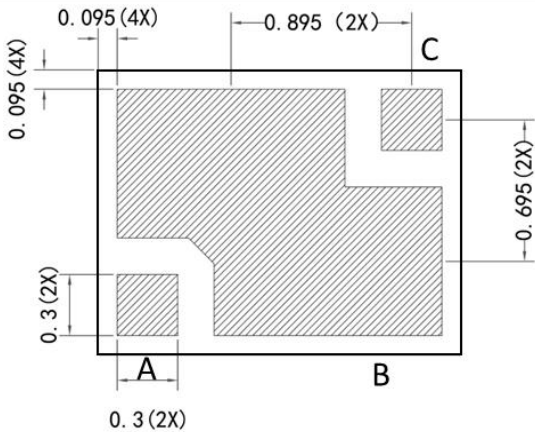
Product Marking:

Part Number	FSAWxxxx
Batch Number	MMYDD

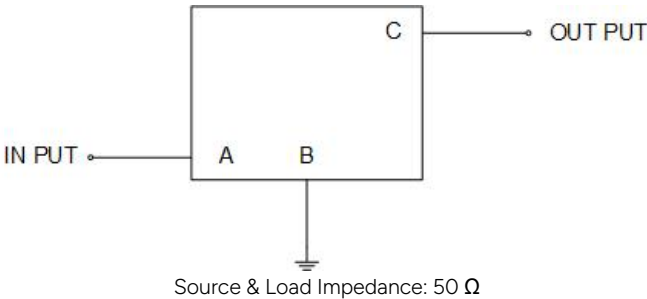
Batch Numbering Logic

Month MM	Year Y	Day DD
01	A: 2023	01
02	B: 2024	02
03	C: 2025	03
...	...	...
12	Z: 2049	31

PCB Layout Pattern

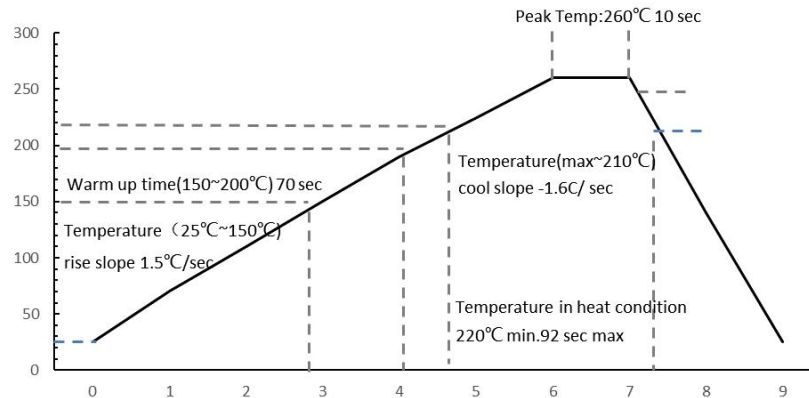


Testing Environment





Reflow Profile



Precautions

• Transportation

The filters packed in the box can be transported by any mode of transportation; During transportation, rain exposure and mechanical collisions should be avoided.

• Storage

Recommended long-term storage conditions for CSP surface acoustic wave filters:

- Temperature: -25°C to +40°C;
- Annual average relative humidity: <75%, ≤ 30 days with relative humidity >90%;
- Stored in original packaging and non-invasive gas.

• Storage life

The recommended shelf life for CSP surface acoustic wave filters is 2 years, and retesting is required after 2 years.

• Notes and cautions

- The test operation site and personnel of the CSP surface acoustic wave filter should take anti-static measures.
- During the test, it should be noted that the device is well grounded to avoid direct interference between the input and output of the device.
- The contents that should be clearly stated in the order document: product name, filter model, specification, and order quantity; If there are any special requirements, including the usage environment, packaging, transportation requirements and other special requirements for the filter, etc., they must be indicated separately.