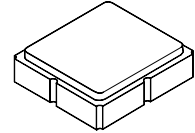


SF2623D

**281 MHz
SAW Filter**



SM3030-8

MAXIMUM RATING:

- Input Power Level: 0 dB_m
- DC voltage: 10 V
- Operating Temperature: -10°C to +50°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 1(MSL1)
- AEC-Q200 Qualified

ELECTRICAL CHARACTERISTICS:

Characteristics	Specification
Center frequency F_c (MHz)	281
I.L. (Within F_c±4 MHz) (dB)	4.5 max.
Pass band BW_{4.5dB} (MHz)	8.0 min.
Ripple(Within F_c ± 4 MHz) (dB)	2.0 max.
Attenuation:(Reference level from 0 dB) (dB)	
F_c - 100 MHz to -37.5 MHz (dB)	48 min.
F_c +37.5 MHz to + 100 MHz (dB)	48 min.
Impedance at F_c ; Input Z_{IN} =R_{IN}//C_{IN}	150 Ω // 0 Pf
Output Z_{OUT} =R_{OUT}//C_{OUT}	150 Ω // 0 Pf

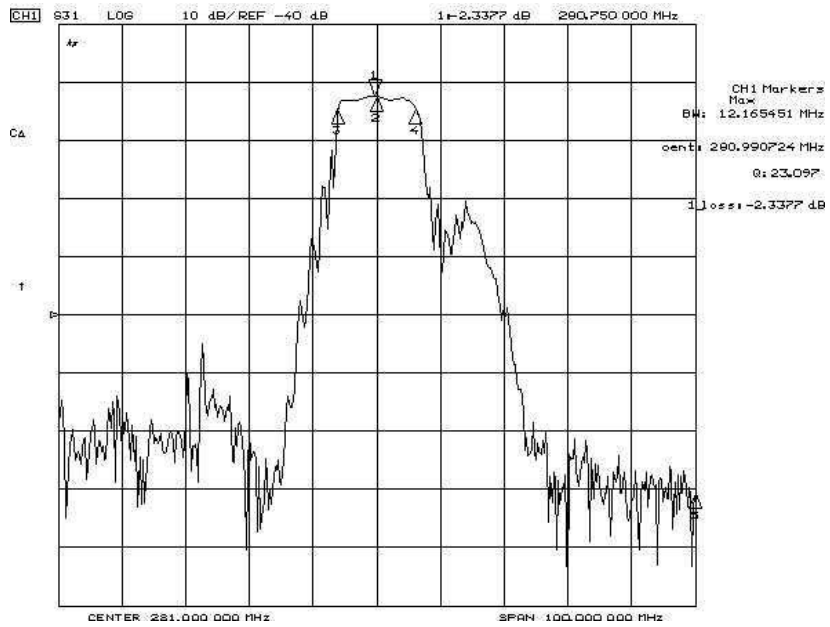
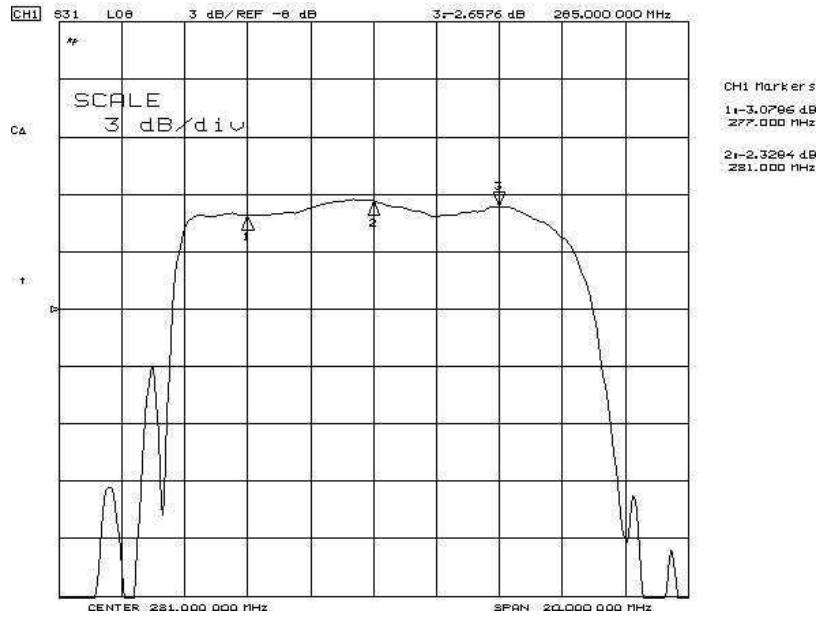


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

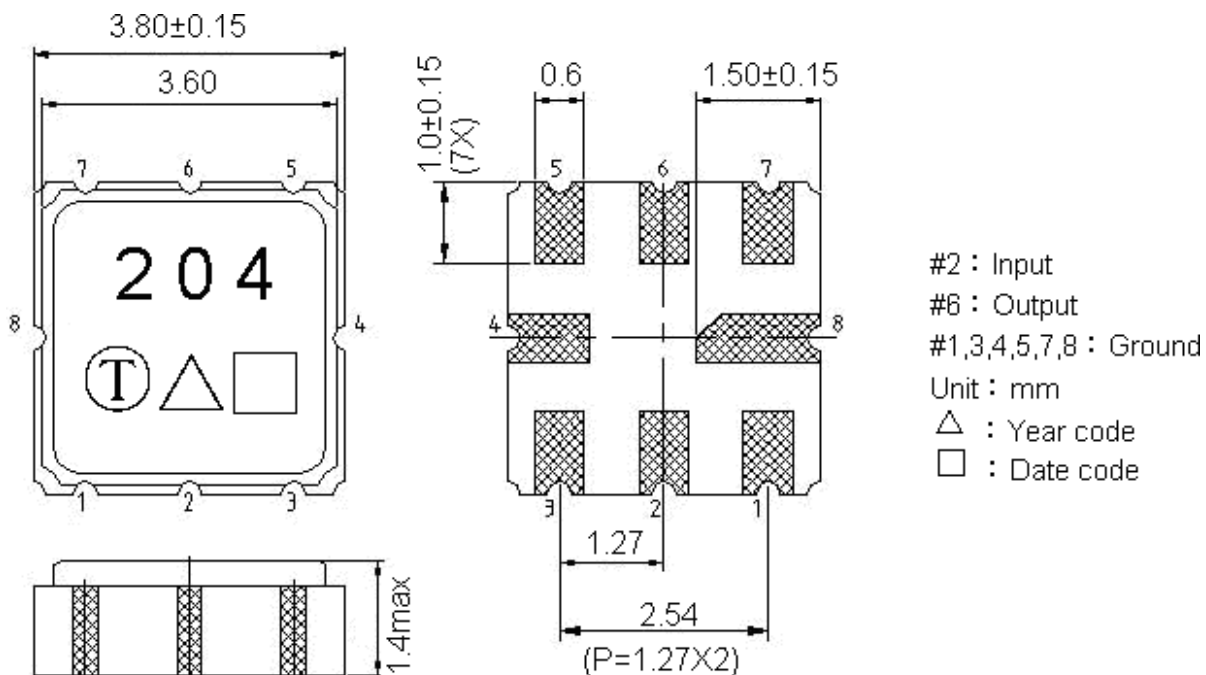
NOTES:

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:



OUTLINE DRAWING:



Year Code

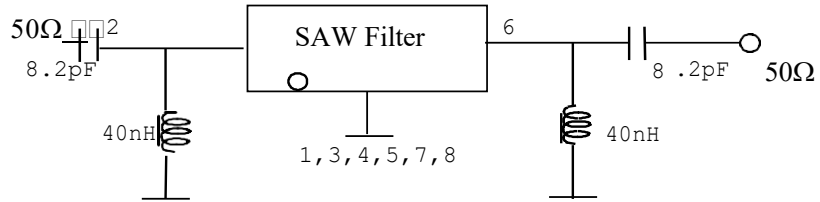
Year	2019	2020
	2021	2022
Product Code	A	a

Week Code Table

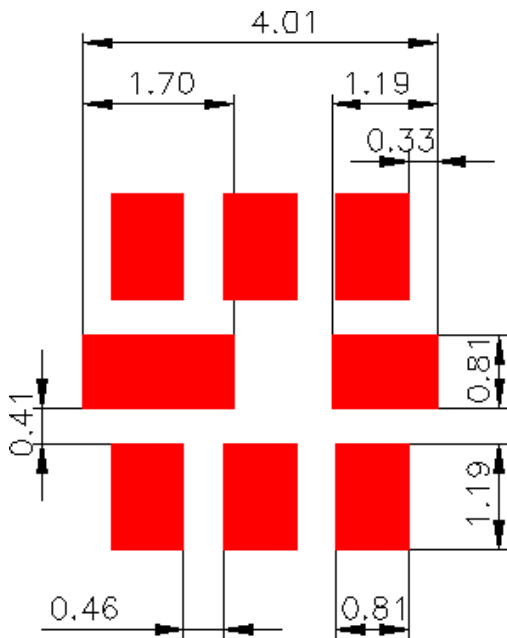
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

MEASUREMENT CIRCUIT:

Network analyzer



PCB FOOTPRINT:



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.

