

SK3280R

Band28, RF-Rx SAW Filter
Revision 1.0 : April 2020

MSL 3 Device



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Features

- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ CSP Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

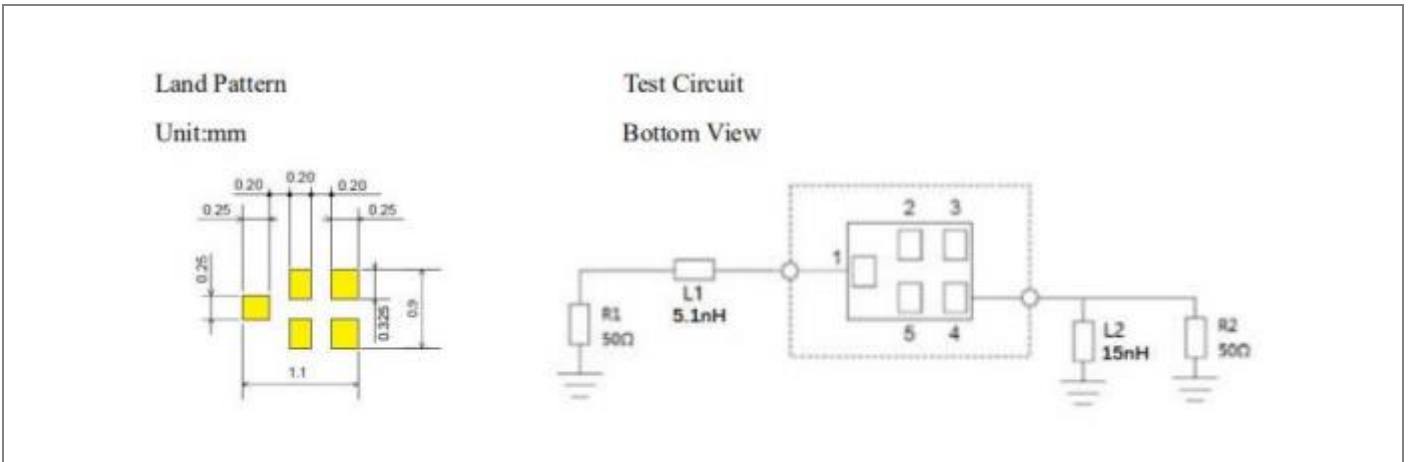
Parameter	Unit	Minimum	Typical	Maximum	
ANT To RX					
<i>Insertion Loss(758.~803MHz)</i>	dB		1.9	2.5	
<i>Passband Variation(758.~803MHz)</i>	dB	-	0.9	2.0	
VSWR	<i>758.~803MHz(Input)</i>		1.7	2.1	
	<i>758~803MHz(Output)</i>		1.7	2.0	
Absolute Attenuation	<i>80~703MHz</i>	dB	30	34	-
	<i>45~65MHz</i>	dB	50	70	
	<i>703~733 MHz</i>	dB	39	43	
	<i>733~748 MHz</i>	dB	35	40	
	<i>825~6000 MHz</i>	dB	19	20	
	<i>830~915MHz</i>	dB	19	22	
	<i>1516~1606MHz</i>	dB	35	41	
	<i>1705~1785 MHz</i>	dB	33	38	
	<i>1850~1915 MHz</i>	dB	31	37	
	<i>1920~2025 MHz</i>	dB	30	36	
	<i>2274~2409MHz</i>	dB	33	38	
	<i>2400~2500 MHz</i>	dB	29	36	
	<i>4900~5950MHz</i>	dB	20	25	
Harmonics	2nd harmonics Pin =Pmax, LTE 5MHz,1RB,50% DC(TDD) or CW(FDD), VSWR<=4:1,25°C	dBm			-40
	3rd harmonics Pin =Pmax, LTE 5MHz,1RB,50% DC(TDD) or CW(FDD), VSWR<=4:1,25°C	dBm			-40
	Other higher-order harmonics(<=12.75G) Pin =Pmax, LTE 5MHz,1RB,50% DC(TDD) or CW(FDD), VSWR<=4:1,25°C	dBm			-40
	2nd harmonics	dBm			-36

	Pin =Pmax, LTE 5MHz,1RB,50% DC(TDD) or CW(FDD), VSWR<=4:1,15~85°C				
	3rd harmonics Pin =Pmax, LTE 5MHz,1RB,50% DC(TDD) or CW(FDD), VSWR<=4:1,15~85°C	dBm			-36
	Other higher-order harmonics(<=12.75G) Pin =Pmax, LTE 5MHz,1RB,50% DC(TDD) or CW(FDD), VSWR<=4:1,15~85°C	dBm			-36
MSL			3		
ESD		V	> 100V		
<i>Input Signal Level</i>		15dBm, CW, 3000h, 50°C			
<i>Operating Temperature Range</i>		° C	-40	-	+85
<i>Storage Temperature Range</i>		° C	-40	-	+85
<i>Package Size</i>		CSP1.1*0.9			

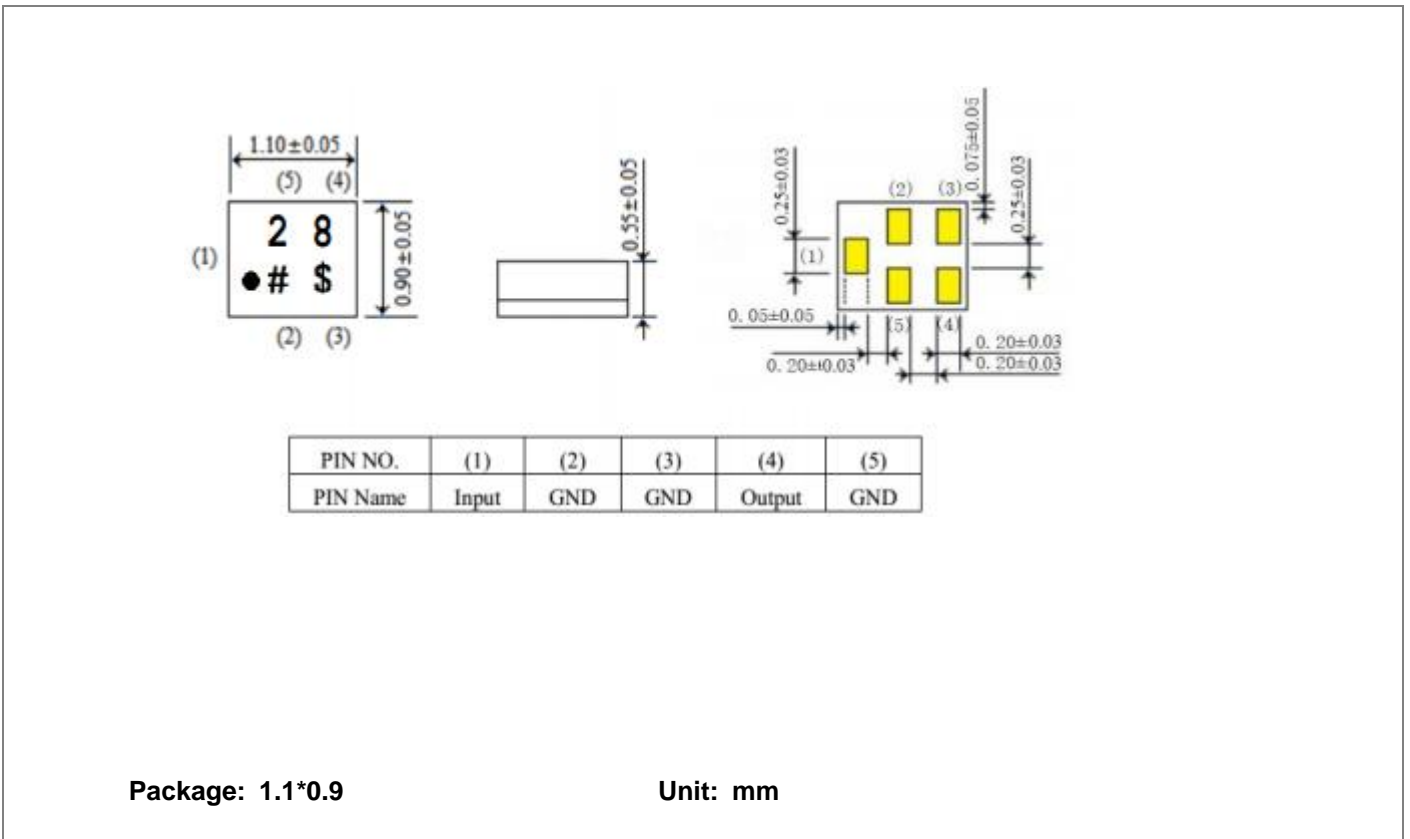
Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

Matching Configuration

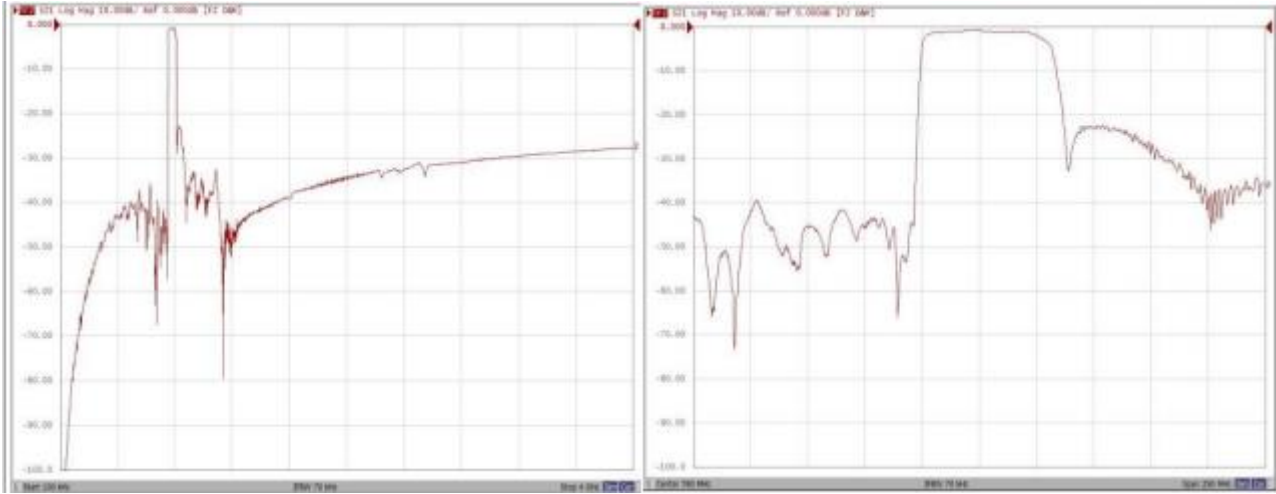


Package Dimension

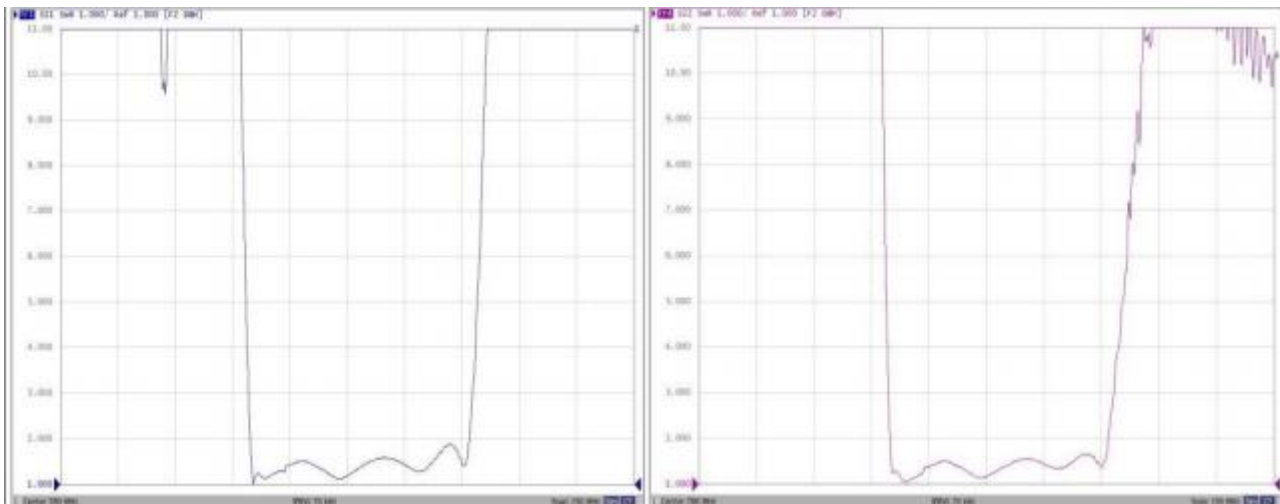


Typical Performance

Frequency Response

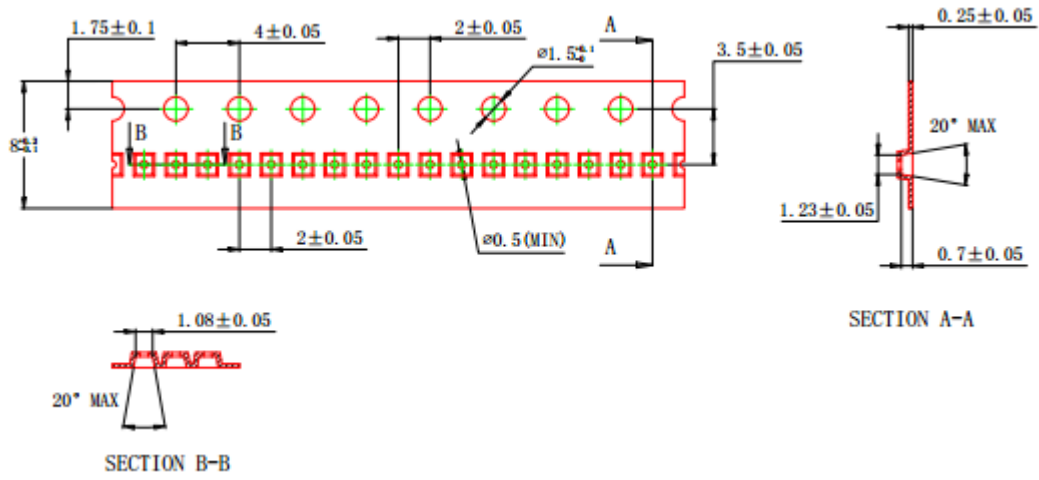


VSWR

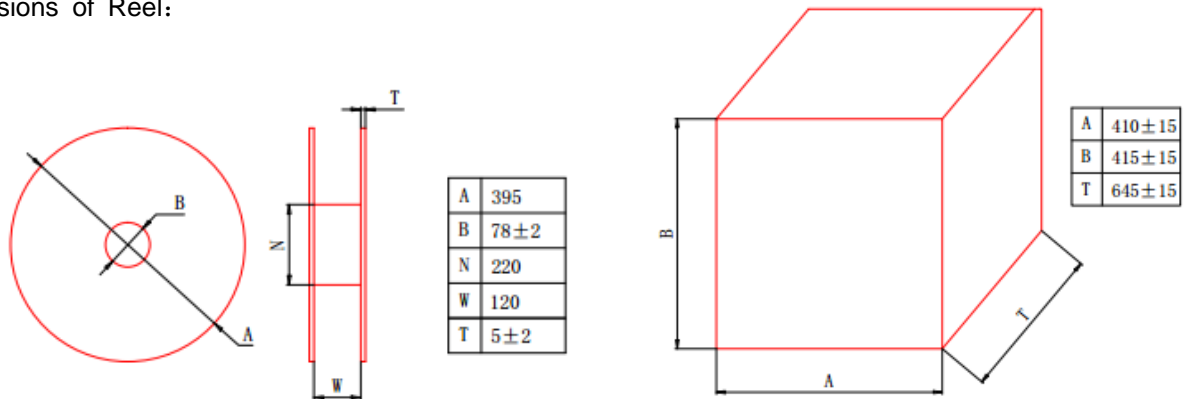


Package

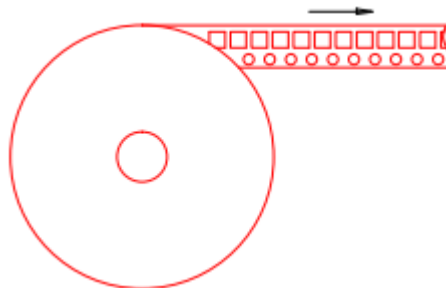
① Dimensions of Tape:



② Dimensions of Reel:



③ Direction of carrier tape:



Reflow Temperature

