

SAW Filter and Duplexer for LTE

Feature

- ✓ RF/IF Filters & Duplexer for many Blocks (BC-6/BC-13/BC-14/BC-17/BC-18/BC-20)
- ✓ Excellent Reliability & Performance
- ✓ Single-Ended and Balanced Operating for RF Filters
- ✓ Available to Surface Mount Technology
- ✓ RoHS Compliance

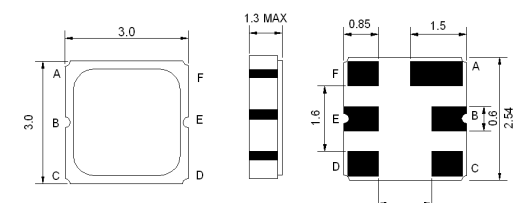
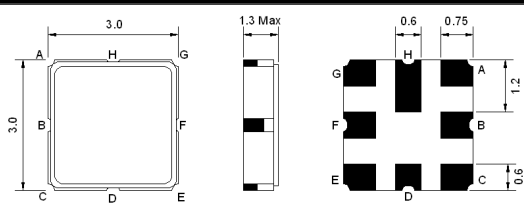
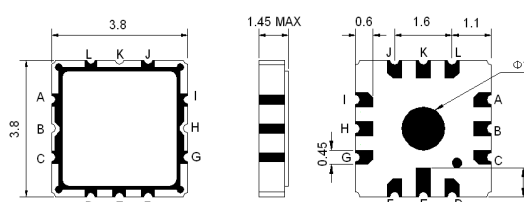
Specifications

DESCRIPTION	
Type	RF BPF / IF BPF / Duplexer
Band Class	6 / 13 / 14 / 17 / 18 / 20
Size(mm)	RF: 3.0x3.0(Single or Balance)
	DPX: 3.8x3.8
	IF: 20.0x9.8 / 13.3x6.5
Performance Type	Low Loss / High Attenuation
Applications	USB Dongles / Data Modem / Repeater & BS For LTE

Freq. Band	LTE Band	Part Name	Fo	Bandwidth	Remarks
700MHz	13	SA751CM	751MHz	10MHz	Single BPF
		SA782BM	782MHz	10MHz	Single BPF
		SD751AP3	751/782MHz	12MHz	DPX_RR
		SD751BP3	751/782MHz	12MHz	DPX_RT
		SD751CP3	751/782MHz	12MHz	DPX_RR
	14	SA763AM1	763MHz	10MHz	Balanced BPF
		SA793AM1	793MHz	10MHz	Balanced BPF
		SD763AP2	763/793MHz	10MHz	DPX_RR
	17	SA710AM	710MHz	12MHz	Single BPF
SA740AM		740MHz	12MHz	Single BPF	
SD710AP3		710/740MHz	12MHz	DPX_RR	
800MHz	18	SA822GM	822.5MHz	15MHz	Single BPF
		SA867BM	867.5MHz	15MHz	Single BPF
	20	SA806AM1	806MHz	30MHz	Balanced BPF
		SA847BM1	847MHz	30MHz	Balanced BPF
		SD806AP2	806/847MHz	30MHz	DPX_RR
	6	SA835AM	835MHz	10MHz	Single BPF
SA880AM		880MHz	10MHz	Single BPF	

Part Name	Fo[MHz]	BW[MHz]	Typ. IL[dB]	Impedance[Ω]	Package / Pin	Size[mm]	Note
SA710AM	710.0	± 6.0	2.0	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF
SA740AM	740.0	± 6.0	1.2	50-50	M / 6-plns	3.0 x 3.0	RF SAW BPF
SD710AP3	710/740	± 6.0 / ± 6.0	2.2 / 1.5	50-50	P3 / 13-pins	3.8 x 3.8	SAW DPX
SA751CM	751.0	± 5.0	1.7	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF
SA782BM	782.0	± 5.0	1.7	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF
SD751AP3	782/751	± 5.0 / ± 5.0	2.2 / 1.9	50-50	P3 / 13-pins	3.8 x 3.8	SAW DPX
SD751BP3	782/751	± 5.0 / ± 5.0	1.8 / 1.5	50-50	P3 / 13-pins	3.8 x 3.8	SAW DPX
SD751CP3	782/751	± 5.0 / ± 5.0	1.8 / 1.4	50-50	P3 / 13-pins	3.8 x 3.8	SAW DPX
SA763AM1	763.0	± 5.0	3.2	50-100	M1 / 8-pins	3.0 x 3.0	RF SAW BPF
SA793AM1	793.0	± 5.0	2.6	100-50	M1 / 8-plns	3.0 x 3.0	RF SAW BPF
SD763AP2	793/763	± 5.0 / ± 5.0	2.2 / 2.2	50-50	P2 / 13-pins	3.8 x 3.8	SAW DPX
SA806AM1	806.0	± 15.0	3.0	50-100	M1 / 8-pins	3.0 x 3.0	RF SAW BPF
SA847BM1	847.0	± 15.0	3.1	100-50	M1 / 8-pins	3.0 x 3.0	RF SAW BPF
SD806AP2	847/806	± 15.0 / ± 15.0	3.0 / 2.0	50-50	P2 / 13-pins	3.8 x 3.8	SAW DPX
SA835AM	835.0	± 5.0	2.5	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF
SA880AM	880.0	± 5.0	2.2	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF
SA822GM	822.5	± 7.5	1.8	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF
SA867BM	867.5	± 7.5	1.5	50-50	M / 6-pins	3.0 x 3.0	RF SAW BPF

Products with specific requirements are available upon request.

<p>M-type 3.0x3.0mm (6-pins)</p>		<table border="1"> <thead> <tr> <th colspan="2">Pin Description</th> </tr> </thead> <tbody> <tr> <td>A, C, D, F</td> <td>Ground</td> </tr> <tr> <td>B</td> <td>In(or Out)</td> </tr> <tr> <td>E</td> <td>Out(or In)</td> </tr> </tbody> </table>	Pin Description		A, C, D, F	Ground	B	In(or Out)	E	Out(or In)		
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<p>P2&P3-type 3.8x3.8mm (13-pins) For DPX</p>		<table border="1"> <thead> <tr> <th colspan="2">Pin Description</th> </tr> </thead> <tbody> <tr> <td>A, C, D, E, F, G, I, J, L</td> <td>Ground</td> </tr> <tr> <td>K</td> <td>Ant</td> </tr> <tr> <td>B</td> <td>Tx or Rx</td> </tr> <tr> <td>H</td> <td>Rx or Tx</td> </tr> </tbody> </table>	Pin Description		A, C, D, E, F, G, I, J, L	Ground	K	Ant	B	Tx or Rx	H	Rx or Tx
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