

Compliant with AEC-Q200

Application	Band	Frequency(MHz)	BW(MHz)	IL typ.(dB)	Power(dBm)	Size	package
BPF	GNSS L1	1575.42	2	0.9	10	1.4 x 1.1 5Pads	SA115
	WLAN/WiFi/BT	2400	79	0.9	29	1.1 x 0.9 5Pads	SA105
Diplexer	GNSS L1+L5	1575.42 / 1176.42	20 / 46	1.0/1.3	15	1.4 x 1.1 5Pads	SA115
Duplexer	1	2100	59 / 59	1.6 / 1.7	30	1.8 x 1.4 8Pads	SA118
	20	800	30 / 30	1.8 / 1.8	30	1.8 x 1.4 8Pads	SA118
	66	1700	69 / 89	2.0 / 2.2	30	1.6 x 1.2 8Pads	SA108
Rx	1	2100	75 / 60	1.9	10	1.1 x 0.9 5Pads	SA105
	3	1800	75	2	10	1.1 x 0.9 5Pads	SA105
	66	1700	90	1.7	10	1.1 x 0.9 5Pads	SA105
Rx Dual	1+3	2100 / 1800	60/75/70	2.0 / 1.7	29.5	1.5 x 1.1 6Pads	SA116
	41+39	2500 / 1900	75 / 40	2.2 / 1.3	29.5	1.5 x 1.1 6Pads	SA116
Triplexer	1+3+7	2100 / 1800 / 2600	59/59/74/74	2.1/1.9/2.3	15	1.8 x 1.4 8Pads	SA118
TRx	40	2300	100	1.3	31	1.1 x 0.9 5Pads	SA105
	41	2500	194	1.2	32	1.1 x 0.9 5Pads	SA105
Tx	1	2100	60	1.8	10	1.1 x 0.9 5Pads	SA105
	7	2600	70	1.7	10	1.1 x 0.9 5Pads	SA105
	20	800	30	2	10	1.1 x 0.9 5Pads	SA105

Figure 1 displays the mechanical drawings of three parts: SA105, SA115, and SA118. Each part is shown with its top, front, and bottom views, along with detailed dimensions and tolerances.

SA105: The top view shows a rectangular plate with overall dimensions 1.10 ± 0.1 (width) and 0.90 ± 0.1 (height). The front view shows a thickness of 0.55 max . The bottom view shows a 3x3 grid of holes with dimensions: 0.25 (hole diameter), 0.18 (hole pitch), 0.205 (hole offset), and 0.18 (hole offset).

SA115: The top view shows a rectangular plate with overall dimensions 1.4 (width) and 1.1 (height). The front view shows a thickness of 0.7 MAX . The bottom view shows a 3x3 grid of holes with dimensions: 0.75 (hole diameter), 0.25 (hole pitch), 0.25 (hole offset), and 0.9 (hole offset).

SA118: The top view shows a rectangular plate with overall dimensions $1.8 \pm 0.0/-0.2$ (width) and $1.4 \pm 0.0/-0.2$ (height). The front view shows a thickness of 0.44 max . The bottom view shows a 3x3 grid of holes with dimensions: 0.23 (hole diameter), 0.625 (hole pitch), 0.325 (hole offset), and 0.46 (hole offset).