

## SAW Filter GNSS / Navigation

### Feature

- Small Size
- High Reliable

### Specifications

SAW – GNSS (Global Navigation Satellite System)									ML(Metal Lid) CSP
Band	Mode	Impedance	Part Number	BW (MHz)	IL (Typ) (dB)	Power (dBm)	Package Size (mm)	Temp (°C)	MSL
GPS	L1	Unbalance	SF-157503-C23	2	0.8	15	1.4 x 1.1	-40 ~ +85	3
GPS	L1	Unbalance	SF-1575T1-C26	2	0.9	10	1.4 x 1.1	-30 ~ +85	1
GPS	L1	Balance	SF-1575T2-C26	2	1.2	10	1.4 x 1.1	-30 ~ +85	1
GPS	L1	Unbalance	SF-157505-C44	2	0.8	15	2.0 x 1.6	-40 ~ +85	3
GPS	L1	Unbalance	SA1575GL	2	1.7	20	2.5 x 2.0	-40 ~ +85	1
GPS	L2	Unbalance	SF-122704-C23	2.4	0.6	15	1.4 x 1.1	-55 ~ +85	3
GPS	L2	Unbalance	SF-122701-S20	22	1.2	10	3.0 x 3.0	-45 ~ +85	1
GPS	L5	Unbalance	SF-117605-C12	25	0.8	15	1.1 x 0.9	-20 ~ +85	3
GPS+GLONASS	L1 + G1	Unbalance	SA1588BQ1	34.47	1.5	10	1.4 x 1.1	-40 ~ +85	3
GPS+GLONASS	L1 + G1	Balance	SF-158501-C21	40.47	1.1	10	1.4 x 1.1	-40 ~ +85	3
GPS+GLONASS	L1 + G1	Unbalance	SF-1585T1-C26	40.466	1.0	10	1.4 x 1.1	-30 ~ +85	1
GPS+GLONASS	L1 + G1	Balance	SF-1585T3-C13	40.466	1.5	15	1.1 x 0.9	-30 ~ +85	1
GPS+GLONASS	L1 + G1	Unbalance	SF-158802-C14	31.47	1.0	15	1.1 x 0.9	-30 ~ +85	3
GPS+GLO+COM	L1 + G1 + B1	Unbalance	SF-1582T1-C13	46.84	1.2	15	1.1 x 0.9	-40 ~ +85	1
GPS+GLO+COM	L1 + G1 + B1	Unbalance	SF-158202-C14	46.84	1.2	15	1.1 x 0.9	-30 ~ +85	3

GP+GL+GA+CO	L1+G1+G1+B1	Unbalance	SF-1582T3-C13	46.84	1.1	15	1.1 x 0.9	-50~ +105	1
GPS	L1 + L5	Unbalance	SDU-1582T1-CA0	20.46	1.0	15	1.5 x 1.1	-30 ~ +85	1
GPS	L5/L1+B1+G1	Unbalance	SB-117601-CA2	25/46	1.5/1.9	15	1.5 x 1.1	-20 ~ +85	1

- **SAW GNSS (High Precision)**

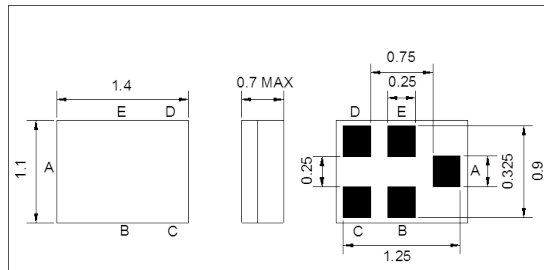
Band Mode	Impedance	Part Number	BW (MHz)	IL (Typ) (dB)	Power (dBm)	Package Size (mm)	Temp (°C)	MSL
GNSS L5 + G3 OC	Balance	SF-119101-S21	51	3.5	10	3.0 x 3.0	-40 ~ +85	1
GNSS E5b + B2I + B2b	Unbalance	SA1209AM	87	3.9	10	3.0 x 3.0	-40 ~ +85	1
GNSS L5/E5a/B2a+G3+L2+B3	Unbalance	SF-122504-S21	118	3.8	10	3.0 x 3.0	-40 ~ +85	1
GNSS L2 + G2 + G3	Unbalance	SF-122905-S21	49	3.8	10	3.0 x 3.0	-40 ~ +85	1
GNSS L2	Unbalance	SA1227AM	20	1.0	10	3.0 x 3.0	-30 ~ +85	1
GNSS L1/E1 + G1 + B1	Unbalance	SA1567BM1	85	2.8	10	3.0 x 3.0	-40 ~ +85	1
GNSS L2 + G2 + E6	Balance	SF-125101-S21	69	4.2	10	3.0 x 3.0	-40 ~ +85	1
GNSS L2 + G2 + E5	Balance	SF-121001-S21	88	4.8	10	3.0 x 3.0	-40 ~ +85	1
GNSS L1/E1 + G1 + B1	Unbalance	SF-157801-S21	64	4.0	10	3.0 x 3.0	-40 ~ +85	1
GNSS L1/E1 + G1 + B1	Unbalance	SF-157803-S21	64	2.3	10	3.0 x 3.0	-40 ~ +85	1
GNSS L1/E1 + G1 + B1	Unbalance	SF-158107-S21	57	3.9	10	3.0 x 3.0	-40 ~ +85	1
GNSS L1/E1 + G1 + B1	Balance	SF-158402-S21	51	2.0	10	3.0 x 3.0	-40 ~ +85	1
GNSS SDARS	Unbalance	SF-233204-C16	25	0.35	10	1.1 x 0.9	-40 ~ +85	2a
GNSS SDARS	Unbalance	SF-233205-C16 (TF-SAW)	25	3.1	10	1.1 x 0.9	-40 ~ +105	2a

\* L : GPS L Band \* G : GLONASS L Band \* B : BeiDou B Band \* E : Galileo E Band

Products with specific requirements are available upon request.

Please contact us for detailed specifications.

Here drawing of one CSP package, others upon request available



Single to Balanced Type

Single Ended Type

Pin Description	
A	In
C, D	Out
B, E	Ground

Pin Description	
A	In
D	Out
B, C, E	Ground