

Main specifications

Parameters	Min	Typical	Max	Units
RF Frequency	5	~	2500	MHz
LO Frequency	5	~	2500	MHz
IF Frequency	5	~	1500	MHz
IL		8.5		dB
VSWR		2.2		
LO-RF ISO		25		dB
LO-IF ISO		25		dB

Other parameters

P-1dB	+9dBm
LO power	+13dBm
IP3	18dBm
Impedance	50Ω
Connector	SMD
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Other	Substitutes ADE-25MH+

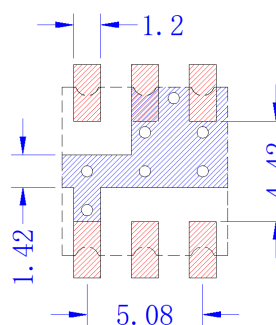
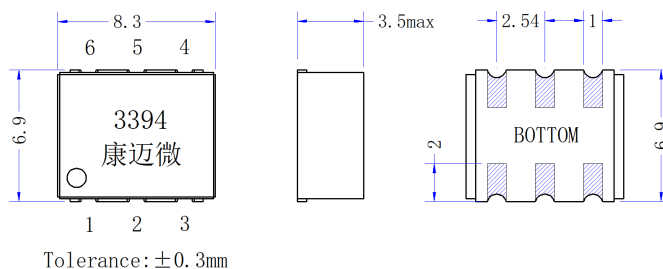
Port Definition

1	LO	6
2	RF	3
3	IF	2
4	GND	1, 4, 5

Reference picture



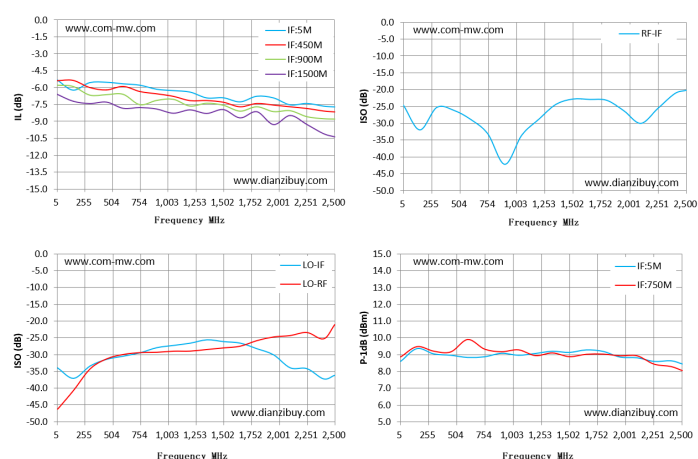
Configuration(mm)



Typical test data

Frequency MHz	IF:0.4 G IL dB	IF:1.5 G IL dB	LO- IF dB	LO- RF d B	RF- IF d B
5	-5.41	-6.57	-33.9 5	-46.3 1	-24.5 8
183	-5.38	-7.2	-37.0 8	-40.6 5	-31.9 5
361	-6.01	-7.41	-33.3 7	-34.2 3	-25.2 7
540	-6.22	-7.28	-31.3 9	-31.2 5	-26.1 4
718	-5.91	-7.84	-30.4 5	-29.9 6	-28.8 6
896	-6.36	-7.77	-29.4 4	-29.4 2	-33.1 1
1074	-6.78	-8.28	-27.2 6	-29 	-33.5
1253	-7.16	-7.98	-26.5 8	-28.9 8	-28.7 9
1431	-7.15	-8.3	-25.5 9	-28.5 9	-24.3 9
1609	-7.3	-7.95	-26.1 2	-28.0 2	-22.8
1787	-7.7	-8.7	-26.5 7	-27.5 1	-22.9 1
1965	-7.55	-9.3	-30.0 7	-24.7 6	-26.2 6
2144	-7.7	-8.48	-33.9 5	-24.3 6	-30.0 1
2322	-7.85	-9.29	-34.1 8	-23.4 4	-25.5 9
2500	-8.15	-10.4	-36.1 7	-21.1	-20.2

Typical test curve



Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	The product supports 220 °C reflow soldering.

Stray and Harmonic (LO: +13dBm@1GHz)

RF (MHz)	Stray (dBc)	IF Harmonic (dBc)
5.00	28@2LO-RF	51.9@2IF
300.00	28@2RF+LO	48.8@3IF
600.00	30@2LO-RF	51@2IF
900.00	12@3LO-RF	48.9@2IF
1200.00	11@3LO-RF	45@2IF
1600.00	11@3LO-RF	48@2IF
1800.00	11@3LO-RF	43.8@2IF
2100.00	10@3LO-RF	43@2IF
2500.00	10@3LO-RF	\

Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.