



Tx to ANT (f_{T0}=707.5 MHz)

Parameters Description		Unit	Min	Typ	Max	Remarks
Insertion Loss(*1)	699~716MHz	dB	-	1.65	2.35	
Amplitude ripple	699~716MHz	dB	-	0.8	1.5	
VSWR	ANT	-	-	1.8	2.1	
	Tx	-	-	1.9	2.2	
Attenuation:						
729 ~ 746 MHz		dB	45	54	-	
746 ~ 768 MHz		dB	30	46	-	
768 ~ 805 MHz		dB	25	41	-	
869 ~ 894 MHz		dB	35	44	-	
1398 ~ 1432 MHz		dB	30	46		
1559 ~ 1606 MHz		dB	40	46	-	
2097 ~ 2155 MHz		dB	35	43	-	
2400 ~ 2484 MHz		dB	30	55	-	
2796 ~ 2864 MHz		dB	15	41	-	
4900 ~ 5850 MHz		dB	5	12		

ANT to Rx (f_{T0}=737.5 MHz)

Parameters Description		Unit	Min	Typ	Max	Remarks
Insertion Loss	729 ~ 746 MHz	dB	-	1.65	2.35	
Amplitude ripple	729 ~ 746 MHz	dB	-	0.5	1.5	
VSWR	ANT	-		1.6	2.0	
	Rx	-		1.9	2.2	
Attenuation:						
699 ~ 716 MHz		dB	55	62	-	
776 ~ 805 MHz		dB	35	40	-	
814 ~ 960 MHz		dB	40	55		
1710 ~ 1755 MHz		dB	40	54		
1850 ~ 1920 MHz		dB	40	52	-	
2187 ~ 2238 MHz		dB	40	51	-	
2400 ~ 2500 MHz		dB	40	49		
4900 ~ 5950 MHz		dB	35	46		

Tx to Rx

Isolation	699 ~ 716 MHz	dB	60	63	-	
	729 ~ 746 MHz	dB	55	58	-	

(*1) Specification of insertion loss excludes loss that comes from the test board.

A. MAXIMUM RATING:

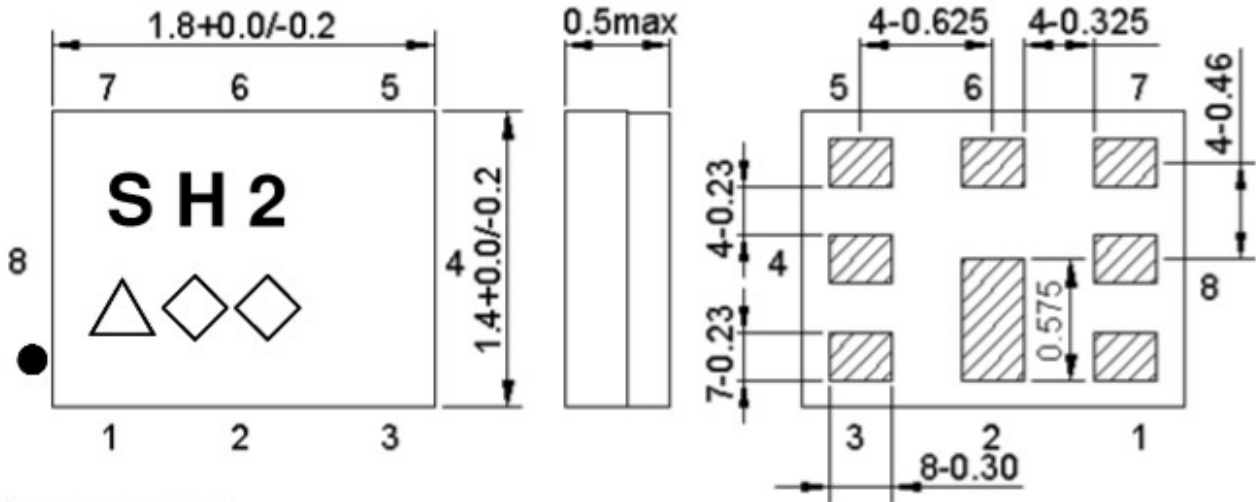
1. Operating temperature range: -30 °C to +85 °C
2. Storage temperature range: -30 °C to +85 °C
3. Tx Input power : 29dBm (Ta=+50 °C,50000h)
- 3.1Rx Input power : 15dBm (Ta=+50 °C,50kh,CW)
4. Maximum DC Voltage: +/-3 V
5. Moisture Sensitivity Level: Level 1 (MSL 1)
6. ESD 100V(MM) 200V(HBM)

B. ELECTRICAL CHARACTERISTICS:

- Terminating impedance (Tx Port): 50 Ω (Single-ended)
- Terminating impedance (Rx Port): 50 Ω (Single-ended)
- Terminating impedance (Ant Port): 50//12nH Ω (Single-ended)



Package Dimensions



Marking name : SH2

◇◇: Lot Code.

Pin Configuration:

Pin No.	Pin Name	Description
1	Rx	Receive Pin
2	GND	Ground Pin
3	Tx	Transmitter Pin
4	GND	Ground Pin
5	GND	Ground Pin
6	ANT	Antenna Pin
7	GND	Ground Pin
8	GND	Ground Pin