

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2200	~	2700	MHz
IL		0.4		dB
Isolation	22	25		dB
VSWR		1.15	1.2	
Amplitude balance		±0.45		dB
Phase balance		±4		°

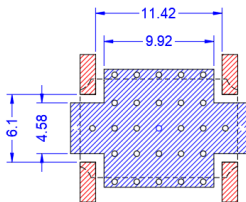
Other parameters

Power	200W
Phase	90° Hybrid
Impedance	50Ω
Connector	SMD
Work Temp.	-55~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Replace XC2500A-03S

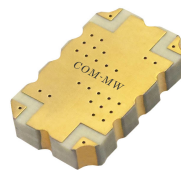
Port Definition

Input port	1
Output port	4 (0°)
Output port	3 (+90°)
Isolated Port	2

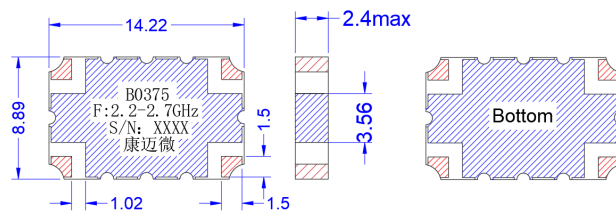
Suggested PCB Layout



Reference picture

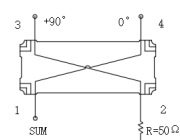


Configuration(mm)



Tolerance: ±0.3mm

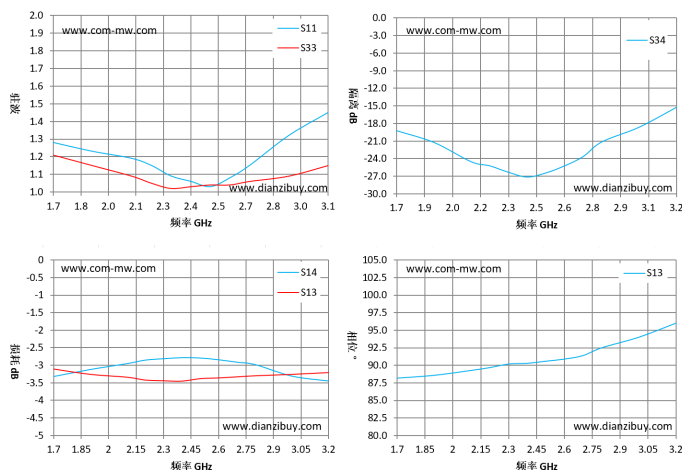
Electrical Schematic



Port Function Configurations

SUM	ISOLATION	0°	-90°
1	2	3	4
2	1	4	3
3	4	1	2
4	3	2	1

Typical test curve



Note

- Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
- The product supports 260 °C reflow soldering.

Typical test data

Frequency(GHz)	S11 VS WR	S33 VS WR	S14 IL(dB)	S1 3 IL dB	S14 ISO dB	S13 Pha se (°)
1.7	1.28	1.21	-3.3 2	-3. 11	-19. 2	88
1.9	1.23	1.15	-3.0 2	-3. 26	-20. 1	88.6
2.1	1.19	1.09	-2.9 5	-3. 32	-24. 5	89.3
2.2	1.15	1.05	-2.8 5	-3. 42	-25. 2	89.7
2.3	1.09	1.02	-2.8 1	-3. 44	-26. 3	90.2
2.4	1.06	1.03	-2.7 8	-3. 45	-27. 1	90.3
2.5	1.03	1.04	-2.7 9	-3. 38	-26. 4	90.6
2.6	1.05	1.04	-2.8 4	-3. 36	-25. 2	90.9
2.7	1.1	1.06	-2.9 1	-3. 35	-24. 8	91.1
2.9	1.32	1.09	-2.9 8	-3. 3	-21. 1	93
3.1	1.45	1.15	-3.3 1	-3. 26	-18. 6	94

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