

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	5	~	2700	MHz
IL		1.4	2	dB
Isolation	10	12		dB
Input VSWR		2	2.2	
Output VSWR		2.2	2.5	
Amplitude balance		0.9	1.3	dB
Phase balance		5	10	°

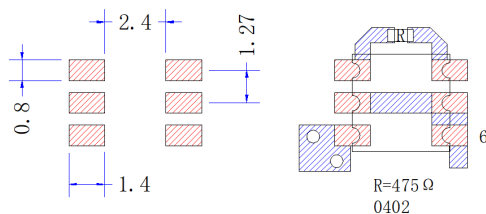
Other parameters

Power Capacity	1W
X-Way	2-way
Phase	0°
Impedance	50Ω
Connector	SMD
Operation Temp.	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	/

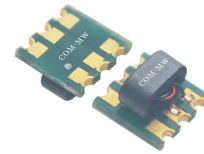
Port Definition

Common port	2, 5, 6
Dispatch Port	3, 4
GND	1

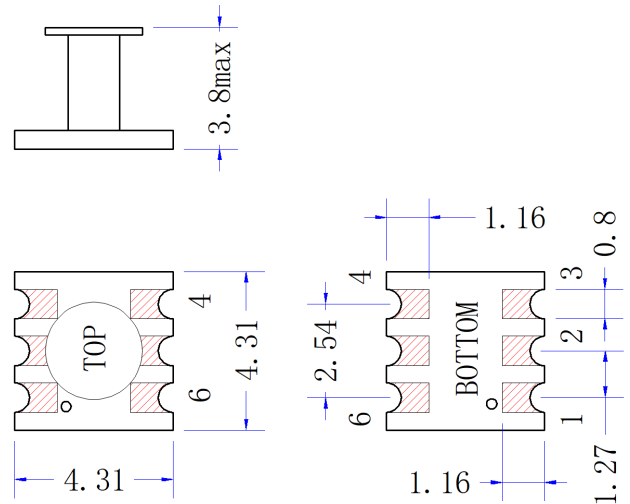
Suggested PCB Layout



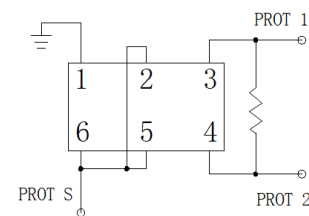
Reference picture



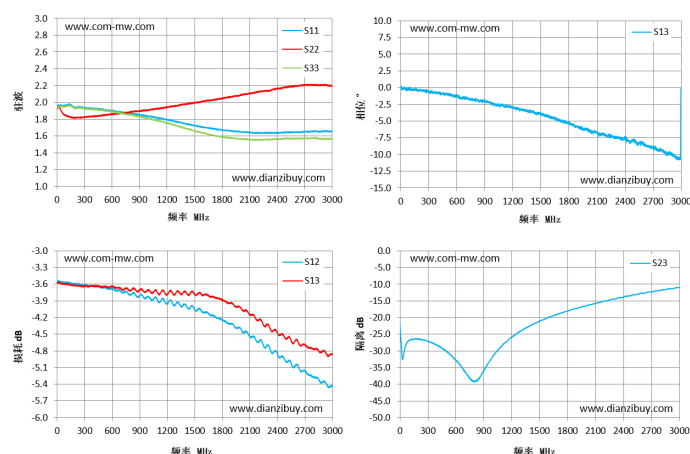
Configuration(mm)



Functional diagram



Typical test curve



Typical test data

Frequency(MHz)	S11 VS WR	S33 VS WR	S1 2 IL dB	S1 3 IL dB	S13 Pha se (°)	S23 ISO dB
0.01	1.96	1.94	-3. 55	-3. 57	-0.0 7	-21. 46
214	1.94	1.93	-3. 6	-3. 63	-0.2 3	-26. 5
429	1.92	1.92	-3. 64	-3. 63	-0.9 1	-28. 76
643	1.89	1.88	-3. 71	-3. 67	-1.6 2	-34. 07
857	1.86	1.84	-3. 8	-3. 71	-1.8 3	-38. 05
1071	1.82	1.79	-3. 84	-3. 71	-2.5 5	-29. 21
1286	1.77	1.73	-3. 97	-3. 78	-3.1 3	-24. 2
1500	1.72	1.66	-4. 06	-3. 79	-3.8 4	-21. 06
1714	1.68	1.6	-4. 18	-3. 84	-5.0 3	-18. 79
1929	1.66	1.57	-4. 35	-3. 98	-6.0 7	-16. 98
2143	1.64	1.55	-4. 54	-4. 16	-7.1 16	-15. 46
2357	1.64	1.56	-4. 83	-4. 44	-7.6 8	-13. 98
2571	1.64	1.57	-5. 1	-4. 67	-8.4 5	-12. 84
2786	1.65	1.57	-5. 27	-4. 77	-9.2 1	-11. 84
3000	1.66	1.57	-5. 43	-4. 86	-0.0 3	-10. 94

Note

2 The product supports 260 °C reflow soldering.