

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	2700	~	3500	MHz
IL		0.2		dB
Isolation	18	20		dB
VSWR		1.2	1.3	
Amplitude balance			± 0.25	dB
Phase balance			± 5	°

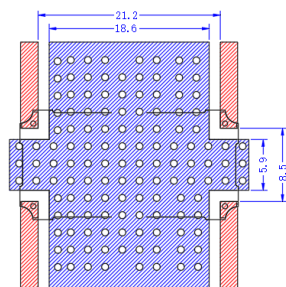
Other parameters

Power Capacity	300W
Phase	90° Hybrid
Impedance	50Ω
Connector	SMD
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Quality Grade	Industrial grade
Other	Substitutes IPP-7074

Port Definition

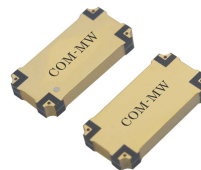
IN	1	2	3	4
ISO	2	1	4	3
0°	3	4	1	2
-90°	4	3	2	1

Suggested PCB Layout

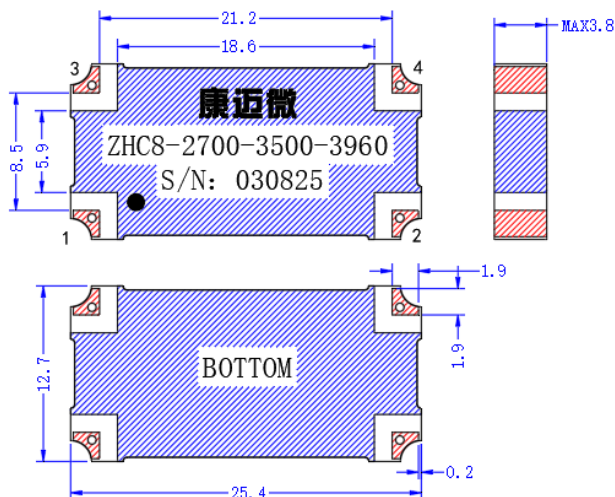


R04350B, H=1.016mm T=1oz

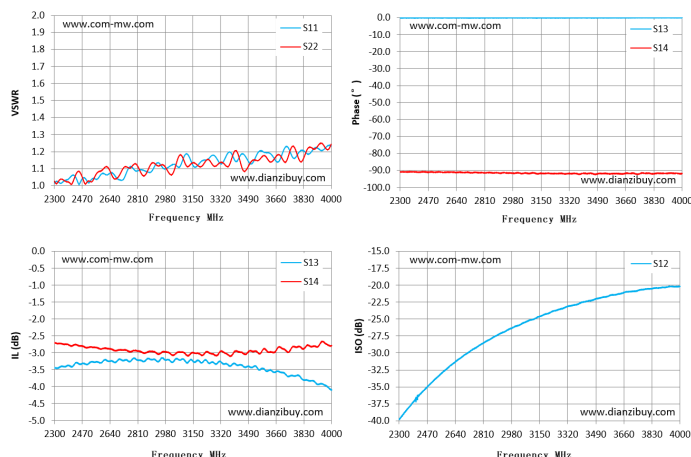
Reference picture



Configuration(mm)



Typical test curve



Typical test data

Frequency MHz	S11 VSWR	S13 IL (dB)	S14 IL dB	S14 Phase	S12 ISO
2300	1.02	-3.44	-2.69	-90.79	-39.77
2421	1.06	-3.35	-2.76	-90.91	-36.22
2543	1.04	-3.27	-2.83	-90.85	-33.29
2664	1.07	-3.27	-2.92	-90.92	-30.85
2786	1.1	-3.16	-2.93	-91.13	-28.84
2907	1.1	-3.19	-2.96	-91.46	-27.16
3029	1.13	-3.26	-3.07	-91.67	-25.84
3150	1.12	-3.25	-2.99	-91.56	-24.58
3271	1.18	-3.27	-3.03	-91.57	-23.51
3393	1.18	-3.33	-3.04	-91.77	-22.62
3514	1.13	-3.43	-2.96	-91.69	-21.87
3636	1.18	-3.55	-2.98	-91.93	-21.22
3757	1.18	-3.67	-2.83	-91.36	-20.66
3879	1.2	-3.82	-2.81	-91.56	-20.35
4000	1.23	-4.09	-2.78	-91.64	-20.15

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	The product supports 260 °C reflow soldering.