

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	0.3	~	300	MHz
IL		2	3	dB
VSWR		3		
Amplitude balance		0.3	0.6	dB
Phase balance		5		°

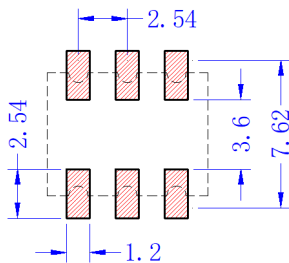
Other parameters

Impedance ratio	1:1 Balun
Connector	SMD
Impedance	50Ω
Power Capacity	1W
Operation Temp	-40~+85°C Design assurance
Storage Temp.	-55~+100°C Design assurance
Other	/

Port Definition

PRIMARY DOT	PRIMARY DOT: 3
PRIMARY	PRIMARY: 1
PRIMARY CT	PRIMARY CT: 2
SECONDARY DOT	SECONDARY DOT: 4
SECONDARY	SECONDARY: 6
SECONDARY CT	SECONDARY CT: 5

Suggested PCB Layout



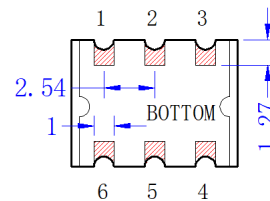
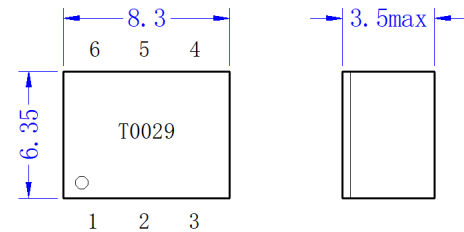
Typical test data

Frequency MHz	S11 VSWR	S12 IL (dB)	S13 Phase (°)	S13 IL (dB)
0.01	1.22	-0.39	180.02	-0.35
29	1.12	-0.45	179.05	-0.41
86	1.35	-0.77	178.63	-0.66
115	1.48	-0.92	177.84	-0.81
143	1.63	-1.04	177.34	-1
172	1.79	-1.2	176.9	-1.22
229	2.12	-1.48	175.05	-1.7
257	2.3	-1.62	174.37	-2
286	2.5	-1.76	173.58	-2.32
315	2.7	-1.88	172.26	-2.67
343	2.91	-1.98	170.94	-3.05

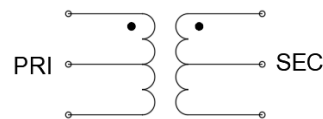
Reference picture



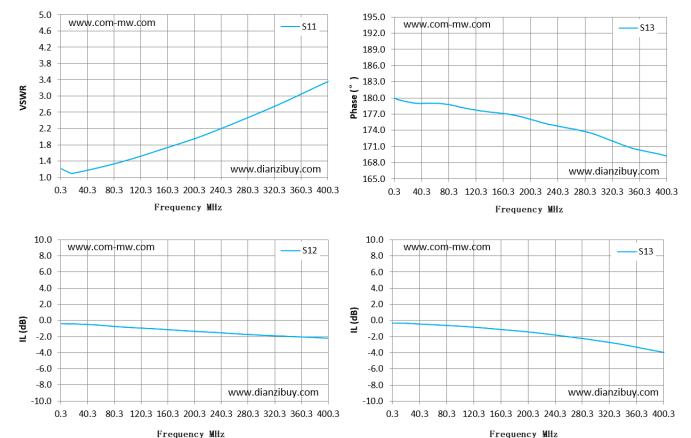
Configuration(mm)



Functional diagram



Typical test curve



Note

1 The product supports 260 °C reflow soldering.