

Product features

1	Broadband, low loss.
2	Realize the mutual conversion between single-ended signals and differential signals

Main specifications

Parameters	Min	Typical	Max	Units
Frequency	30	~	3000	MHz
IL			3.3	dB
返回损耗	5			dB
Amplitude balance		1.2		dB
Phase balance		9		°

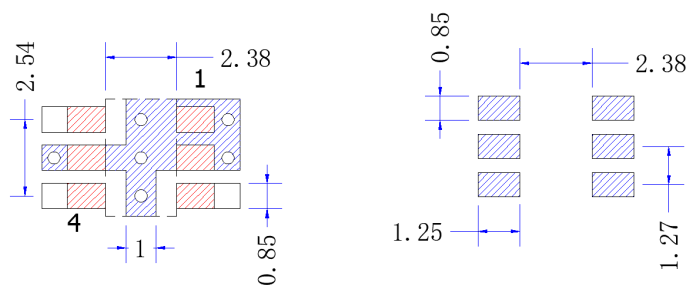
Other parameters

Impedance ratio	1:2 Balun
Connector	SMD
Impedance	50Ω
Power Capacity	0.4W Design assurance
Operation Temp.	-45~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade
Substitutes model	TCM2-33X+
ROHS	Compliant Available

Port Definition

PRIMARY DOT	Unbalance Port	6
PRIMARY	GND	2
SECONDARY DOT	Balance Port	4
SECONDARY	Balance Port	3
GND	GND	2, 5

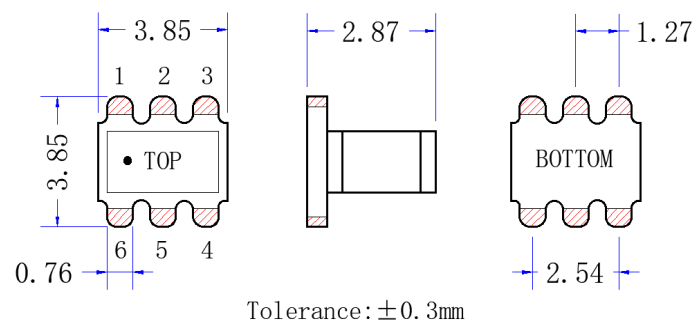
Suggested PCB Layout



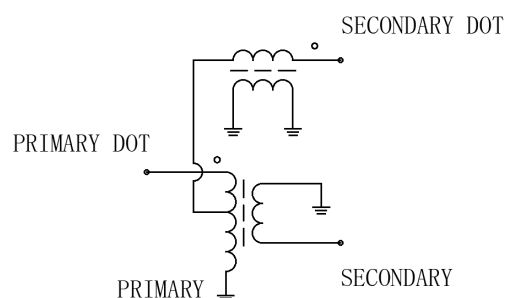
Reference picture



Configuration(mm)



Functional diagram

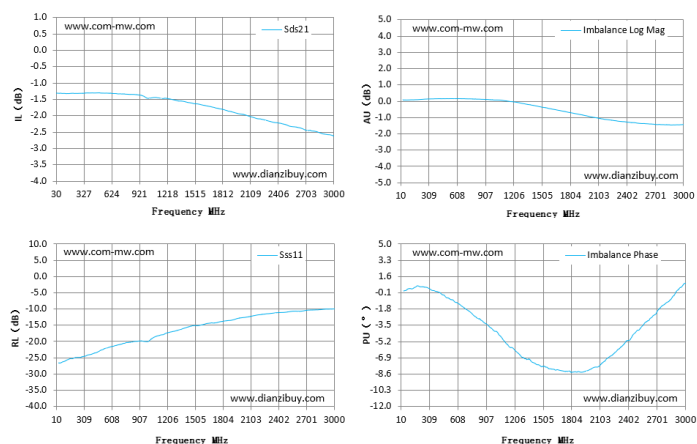


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency MHz	IL dB	RL dB	AU dB	PU °
30.00	-1.31	-26.53	0.06	0.03
242.00	-1.31	-24.84	0.10	0.50
454.00	-1.30	-23.24	0.13	-0.35
666.00	-1.32	-21.15	0.14	-1.56
879.00	-1.35	-19.90	0.10	-3.20
1091.00	-1.44	-18.32	0.04	-5.05
1303.00	-1.51	-16.67	-0.14	-6.86
1515.00	-1.63	-15.09	-0.39	-7.77
1727.00	-1.74	-14.21	-0.62	-8.29
1939.00	-1.89	-13.12	-0.85	-8.36
2151.00	-2.04	-12.00	-1.10	-7.33
2364.00	-2.20	-11.18	-1.27	-5.39
2576.00	-2.33	-10.65	-1.39	-3.29
2788.00	-2.46	-10.27	-1.45	-1.35
3000.00	-2.61	-9.95	-1.44	0.86

Typical test curve



Note

1	The product supports 260 °C reflow soldering.
2	Short term soaking and cleaning, please dry in a timely manner.