

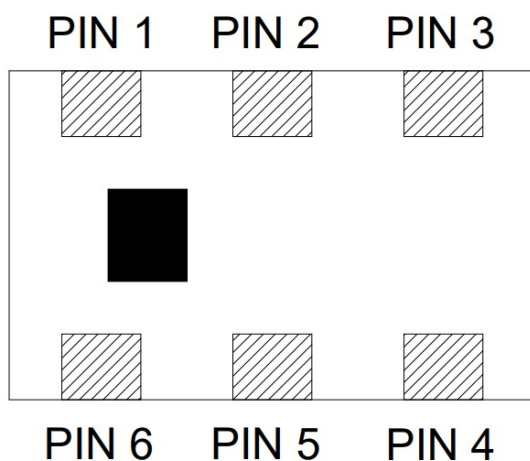
Features

- Low profile, high performance 3dB hybrid coupler
- Surface mount package
- Low insertion loss and tight amplitude and phase balance is required
- LTCC process

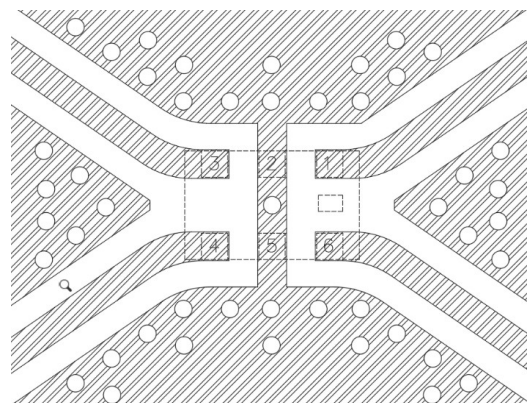
Specifications

NO.	Parameter		SPEC
1	Frequency range		7000~8500 MHz
2	Insertion Loss (avg of coupled outputs above 3.0 dB)	7000~8500 MHz	0.4 dB max.
3	Isolation	7000~8500 MHz	14.5 dB min.
4	Amplitude Unbalance	7000~8500 MHz	1.0 dB max.
5	VSWR	7000~8500 MHz	1.5 max.
6	Phase Unbalance	7000~8500 MHz	90 ± 7.0 degree
7	Power		4W (CW AVG.)
8	Operation Temperature Range		-55°C ~ +105°C

Construction



Mounting Considerations



Unit: mm
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

Pin	Configuration-1	Configuration-2	Configuration-3	Configuration-4
1	Input	Isolated	Direct	Coupled
2	GND	GND	GND	GND
3	Isolated	Input	Coupled	Direct
4	Direct	Coupled	Input	Isolated
5	GND	GND	GND	GND
6	Coupled	Direct	Isolated	Input

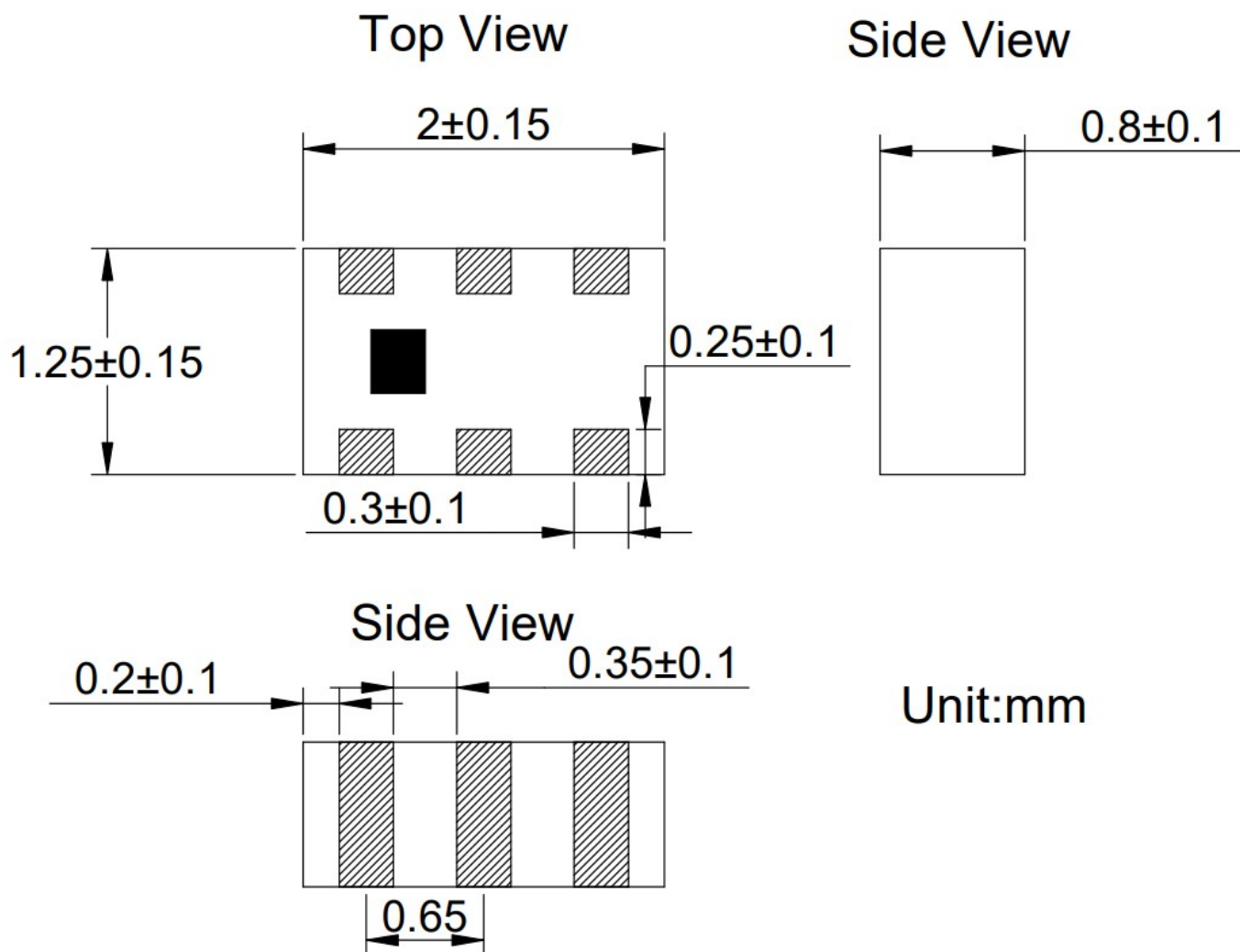
Yantel Corporation

Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China

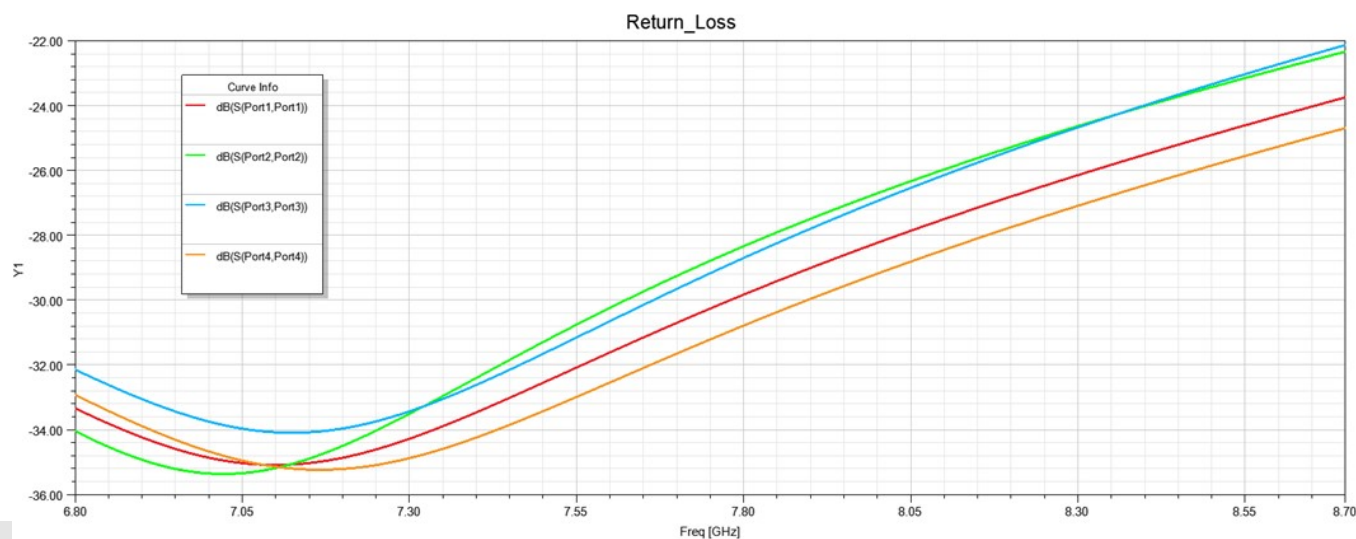
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

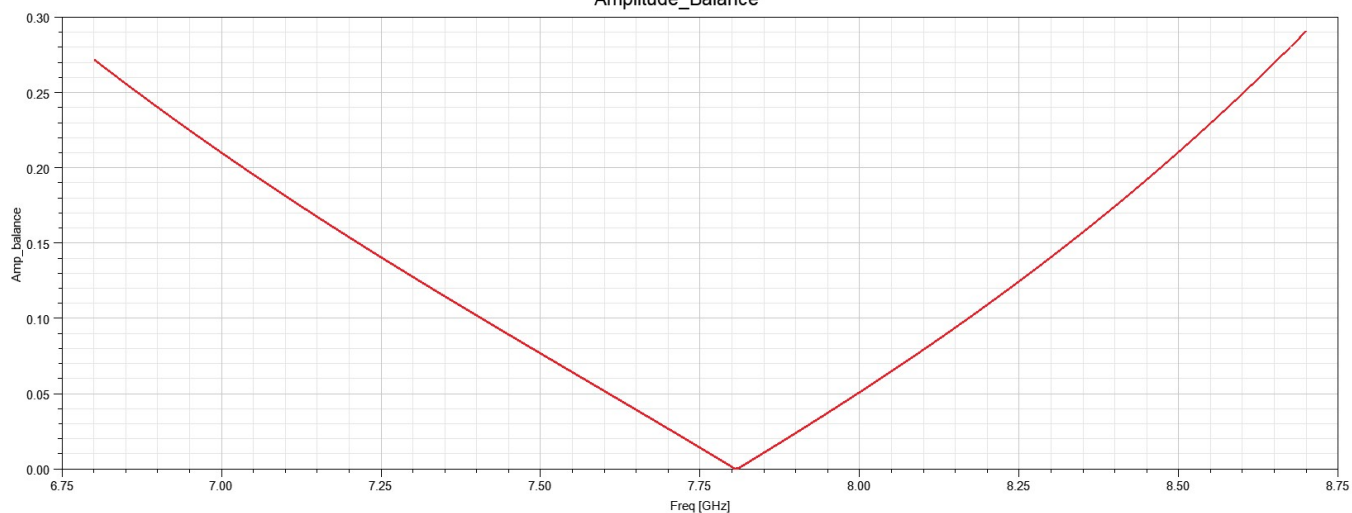
Dimensions (mm)



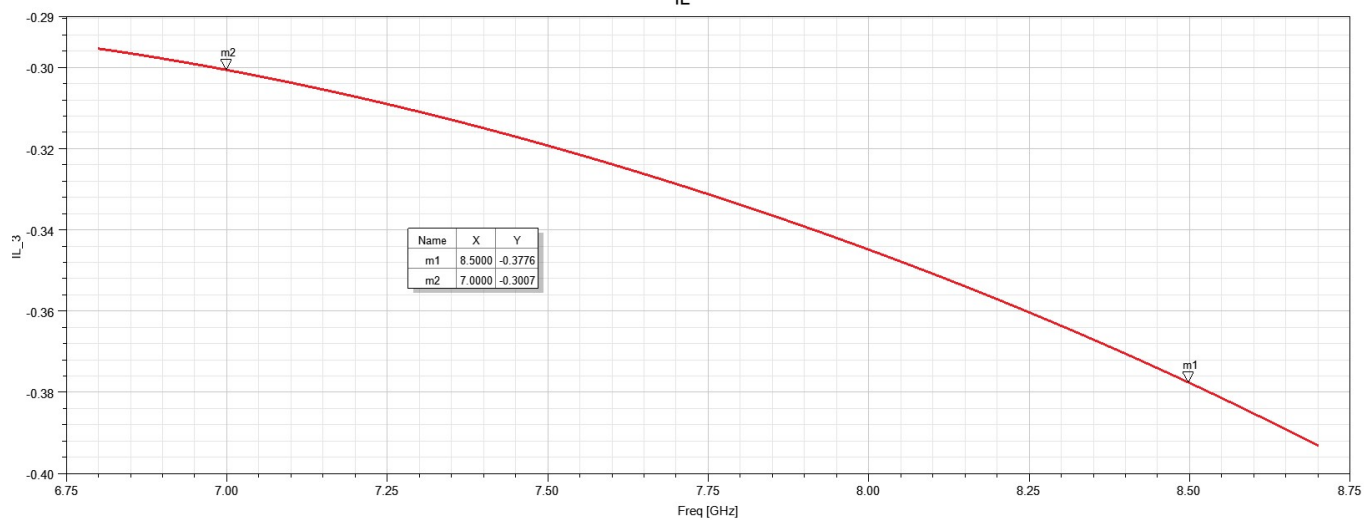
Typical Electrical Characteristics (T=25°C)



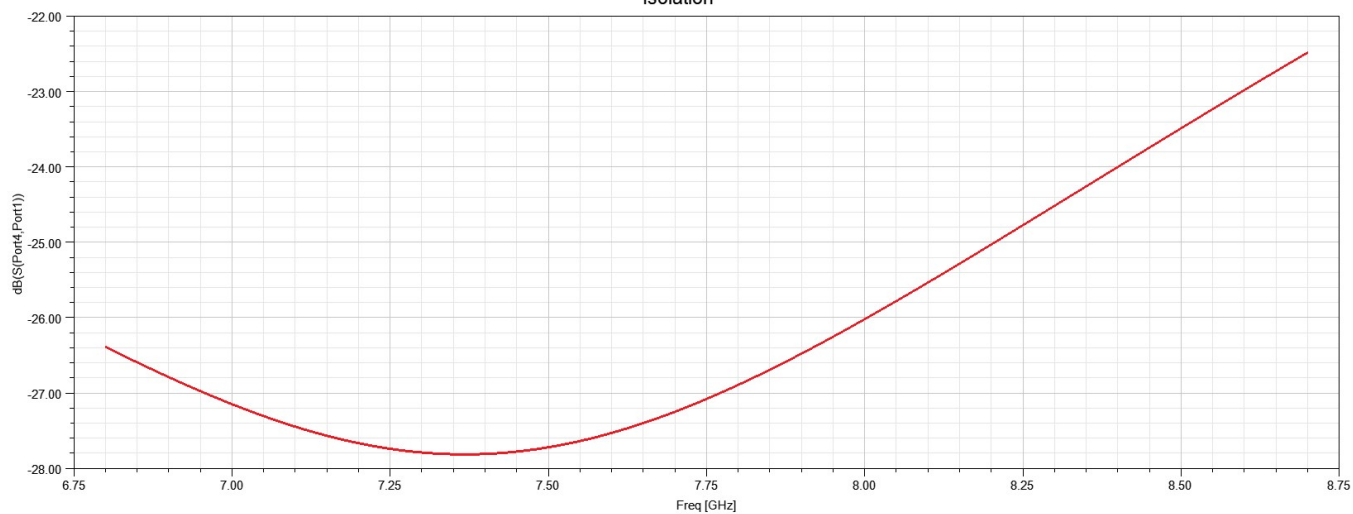
Amplitude_Balance



IL



Isolation



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