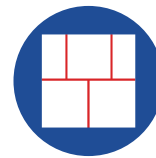


# Preliminary Data Sheet

## BD1600U520-1325

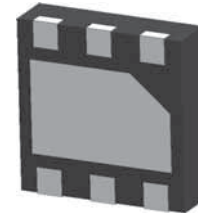
Ultra Low Profile 1325 Balun  
50Ω to 200Ω Balanced



**Yantel**  
Key Patents Lead Microwave Tech

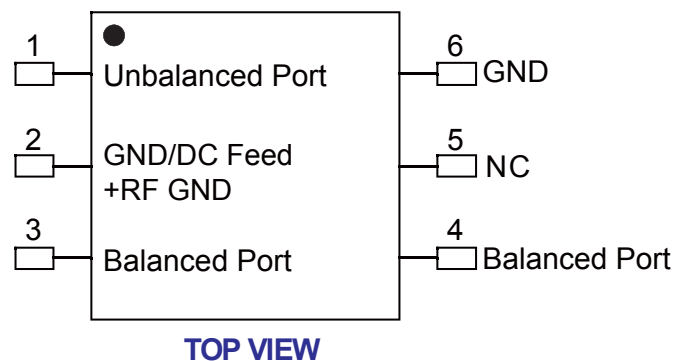
### Features:

- 1400~1600 MHz
- 0.85mm Height Profile
- 50Ohm to 2x100 Ohm
- High CMRR
- Low Insertion Loss
- Input to Output DC Isolation
- Surface Mountable
- Tape & Reel
- Non-conductive Surface
- RoHS Compliant



### Applications

- WiMAX
- GPS
- UWB
- Bluetooth
- Zigbee
- GSM



### Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	1400		1600	MHz
Unbalanced Port Impedance			50		
Balanced Port Impedance			200		
Return Loss	RL		10		dB
Insertion Loss	IL		0.9	1.1	dB
Amplitude balance	Abal		0.3	0.4	dB
Phase balance	bal		3	4	deg
CMRR			30		dB

### Yantel Corporation

Add : Floor 2, Building 2, Gaofa Technology Park, Longjing, 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](http://www.yantel-corp.com)

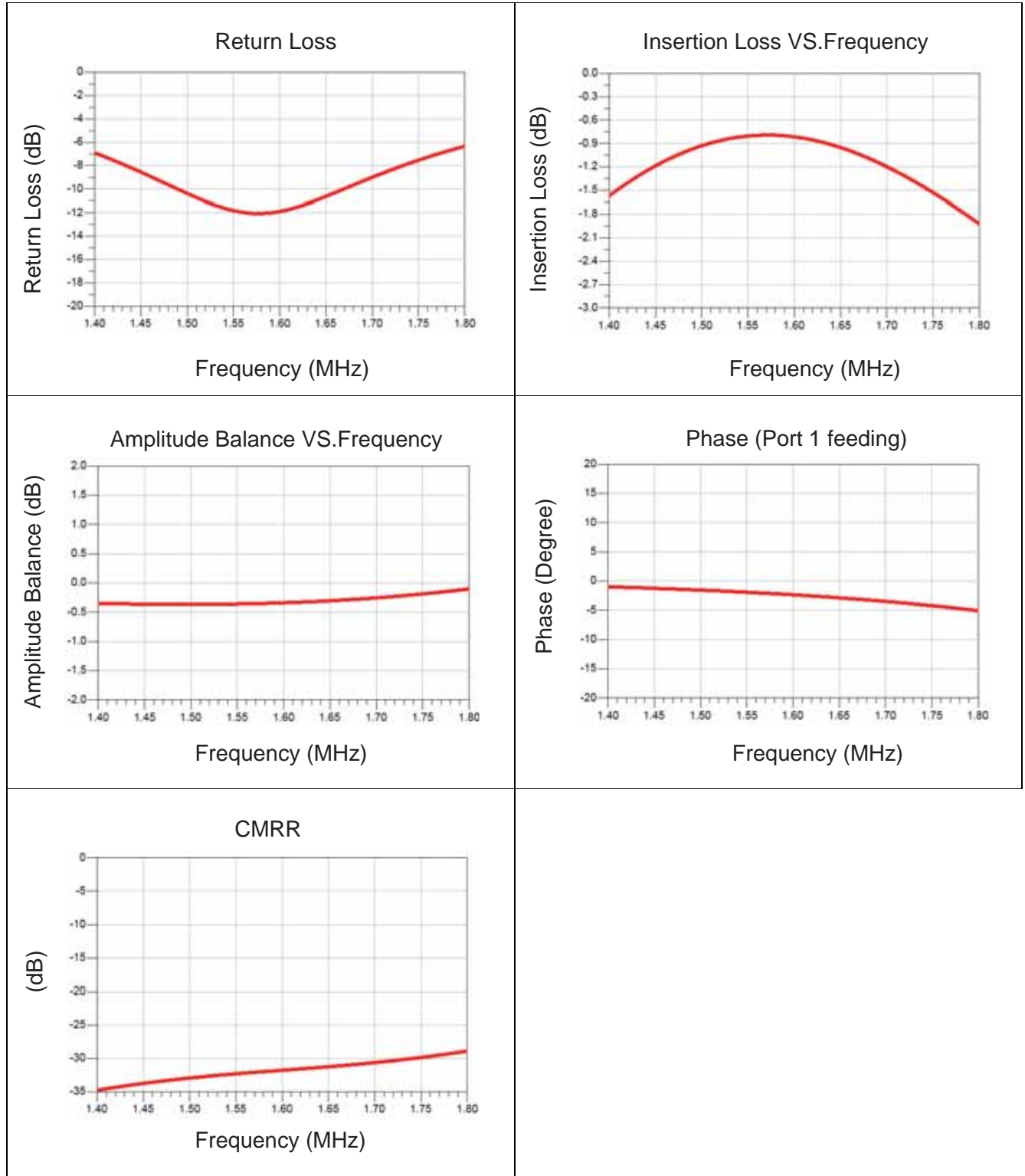
# Preliminary Data Sheet

## BD1600U520-1325

Ultra Low Profile 1325 Balun  
50Ω to 200Ω Balanced



### Typical Performance (25°C: 1400-1800 MHz)



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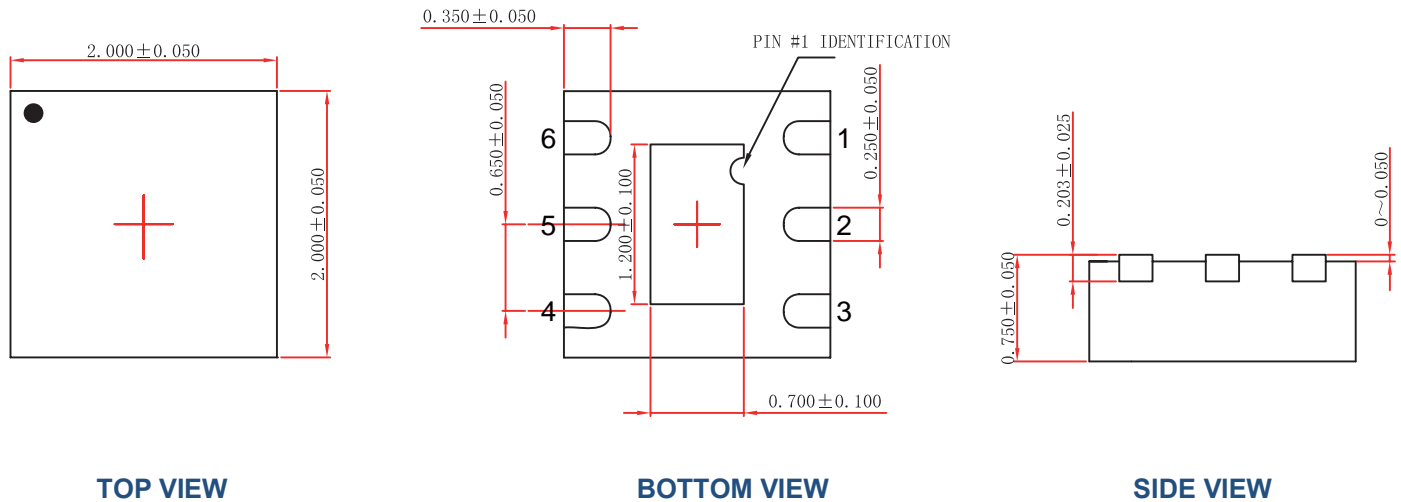
# Preliminary Data Sheet

## BD1600U520-1325

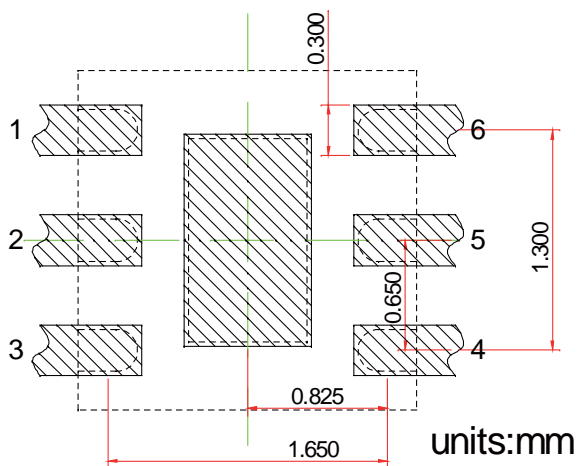
Ultra Low Profile 1325 Balun  
50Ω to 200Ω Balanced



### Outline Drawing



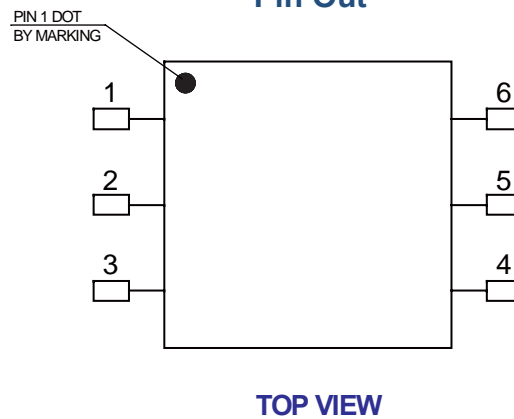
### Land Pattern



### Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

### Pin Out



Pin #	Connection
1	Unbalanced Port
2	GND/DC Feed+RF GND
3	Balanced Port
4	Balanced Port
5	NC
6	GND

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