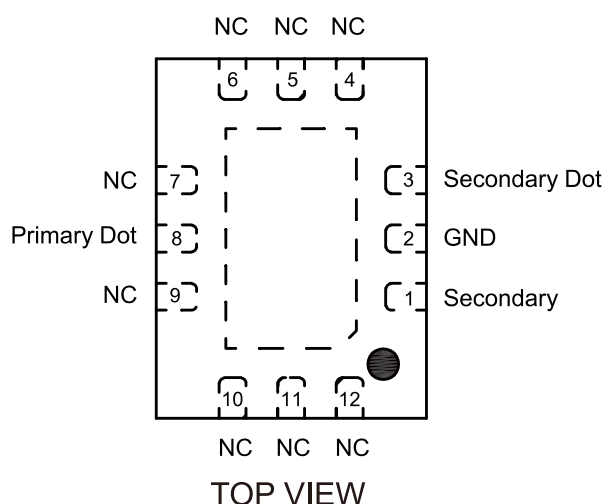
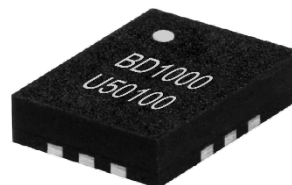
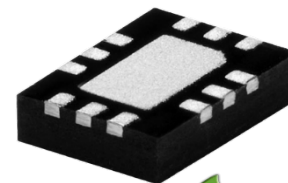


Features

- Wideband, 2 to 18 GHz
- Low insertion loss
- Excellent Common Mode Rejection
- 3x4 mm 12-Lead QFN-style package
- Human Body Model (HBM): Class 1C (1000 to <2000V)
- Moisture Sensitivity: MSL1



Applications

- 5G MIMO and Back Haul Radio Systems
- Test and Measurement Equipment
- Radar, EW, and ECM Defense Systems
- Signal Distribution Networks

Electrical specifications at 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Impedance Ratio (secondary/primary)			2		
Frequency Range		2		18	GHz
Average Insertion Loss (Above 3 dB Theoretical)	2-4 4-14 14-18		1.7 1.5 3.7	3.8 4.2 7.3	dB
Amplitude Unbalance	2-4 4-14 14-18		0.4 0.2 0.4	0.9 1.8 3.1	dB
Phase Unbalance	2-4 4-14 14-18		1 2 2	6 13 10	Degree
Common Mode Rejection Ratio (CMRR)	2-4 4-14 14-18		27 39 22		dB
Input Return Loss	2-4 4-14 14-18	4 5 5	11 13 17		dB
Input RF Power			2		W
Operating & Storage Condition					
Operation Temperature Range: -40°C ~ +85°C					
Storage Temperature Range: -65°C ~ +150°C					

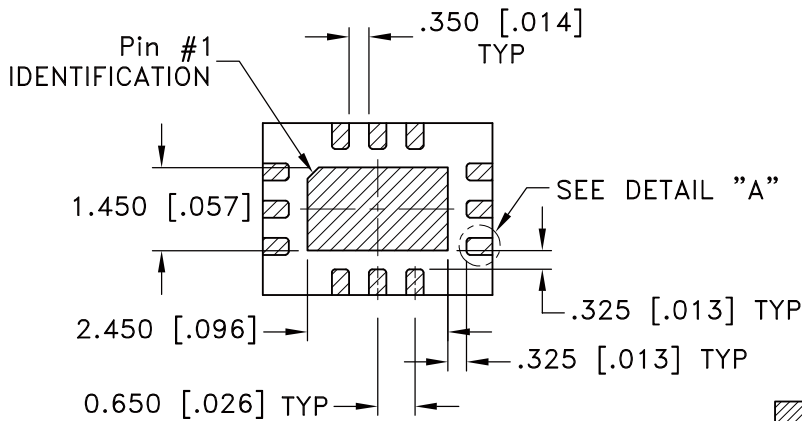
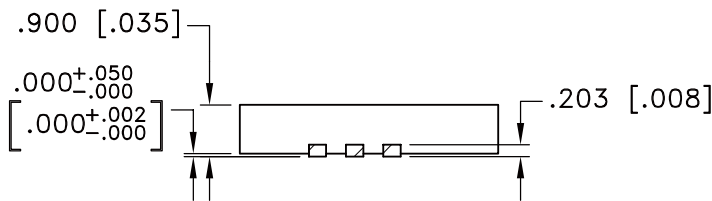
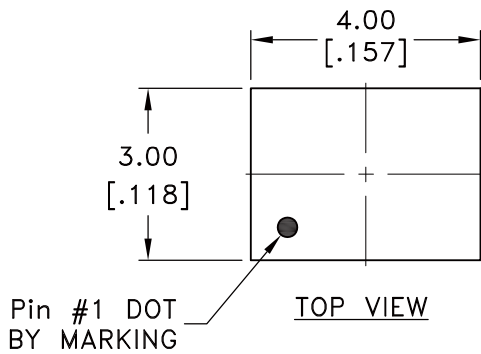
Yantel Corporation

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

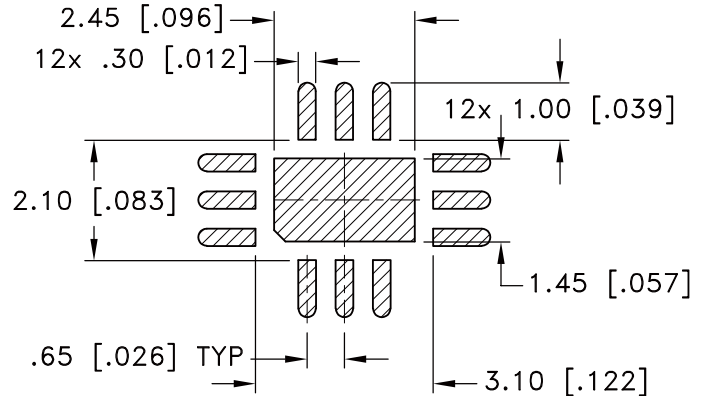
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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

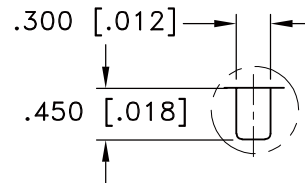
Outline Drawing (Units= mm [inches])



PCB Land Pattern



SUGGESTED LAYOUT FOR PCB LAND PATTERN (TOL ±.002)

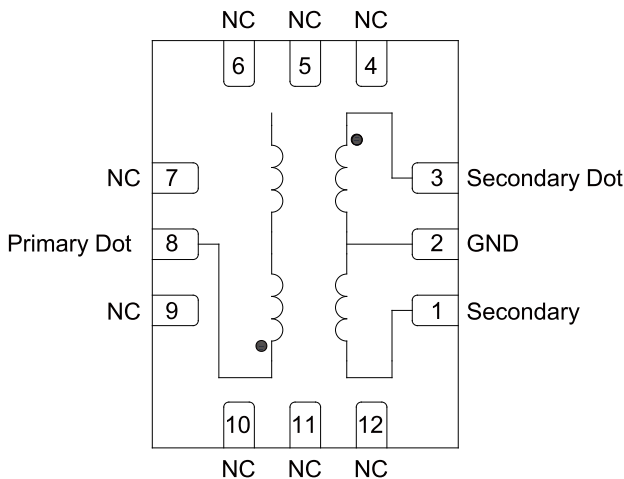


DETAIL "A"

SCALE 16:1
12 PLCS

 DENOTES METALLIZATION

Functional Diagram



Function	Pad Number	Description
Primary Dot	8	Common UnBalanced RF Port
Secondary Dot	3	Balanced RF Port
Secondary	1	Balanced RF Port
GND	2	External ground.
NC	4-7, 9-12	No connection. Connected to ground on the test board.

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