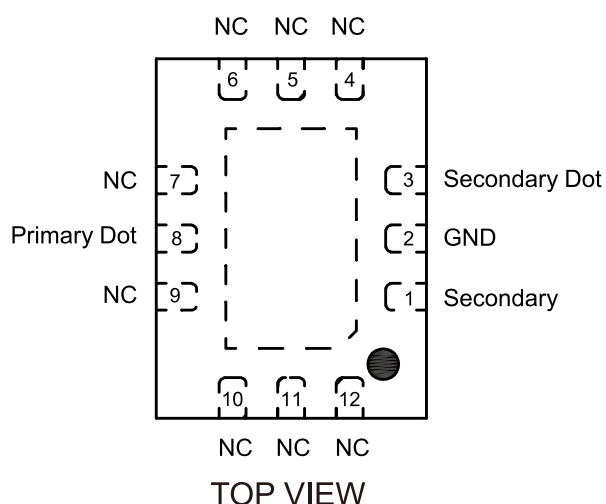
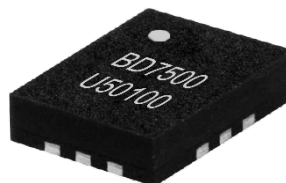
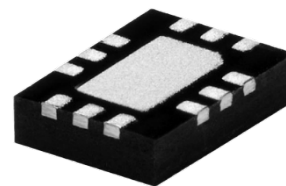


Features

- Wideband, 1.5 to 13 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		1.5		13	GHz
Average Insertion Loss (Above 3 dB Theoretical)	1.5-3 3-10 10-13		2.1 1.8 3.1	4.3 2.6 6.4	dB
Amplitude Unbalance	1.5-3 3-10 10-13		0.7 0.2 0.2	1.1 1.1 1.3	dB
Phase Unbalance	1.5-3 3-10 10-13		2 1 2	9 8 10	Degree
Common Mode Rejection Ratio (CMRR)	1.5-3 3-10 10-13		23 37 37		dB
Input Return Loss	1.5-3 3-10 10-13	4 8 9	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					

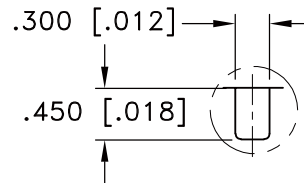
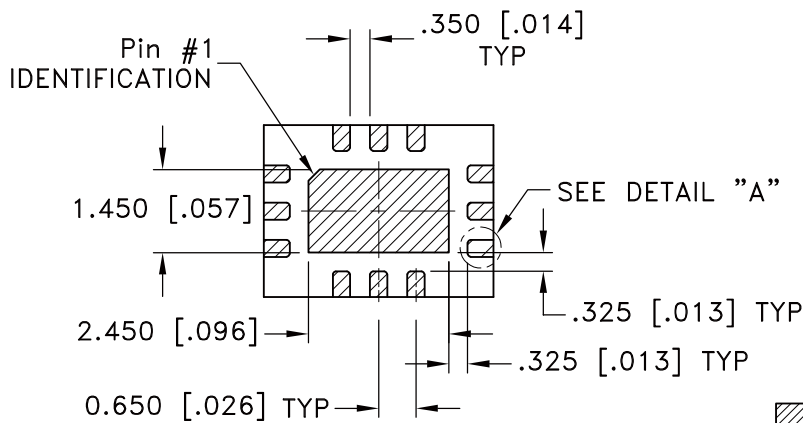
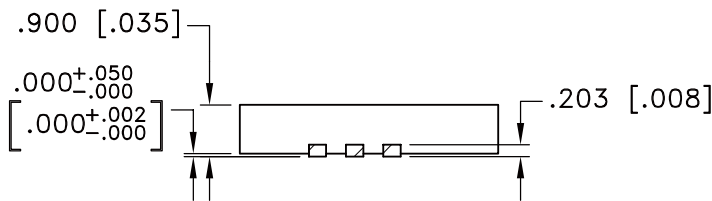
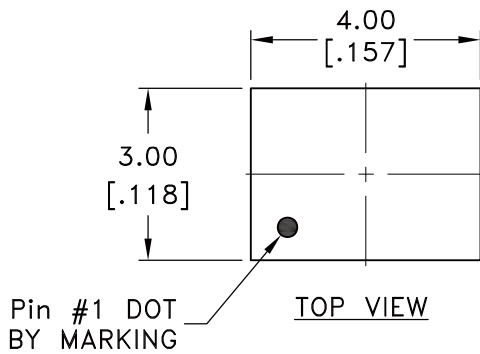
Yantel Corporation

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

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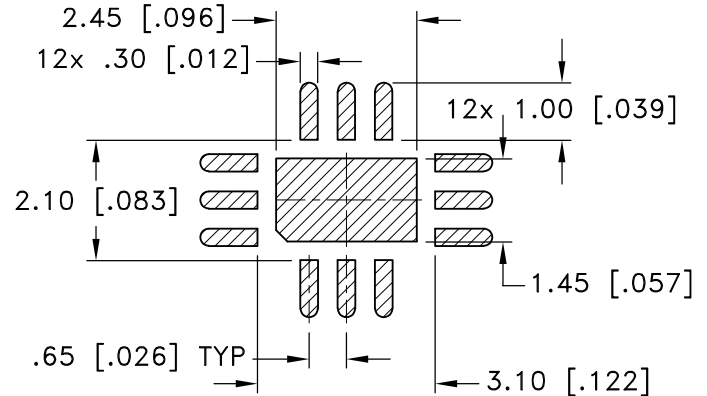
Outline Drawing (Units= mm [inches])



DETAIL "A"
SCALE 16:1
12 PLCS

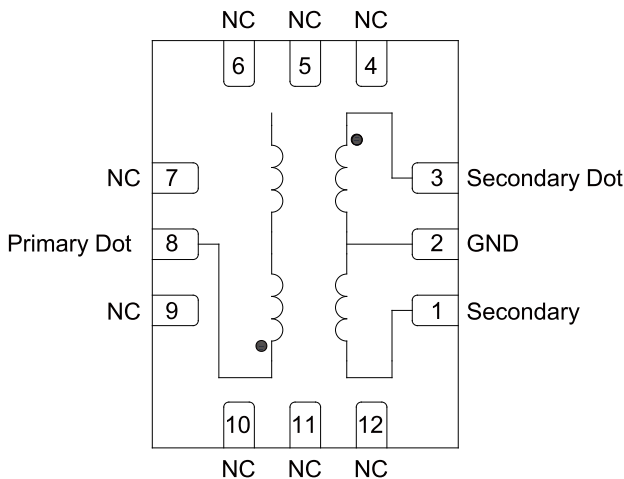
 DENOTES METALLIZATION

PCB Land Pattern



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

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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