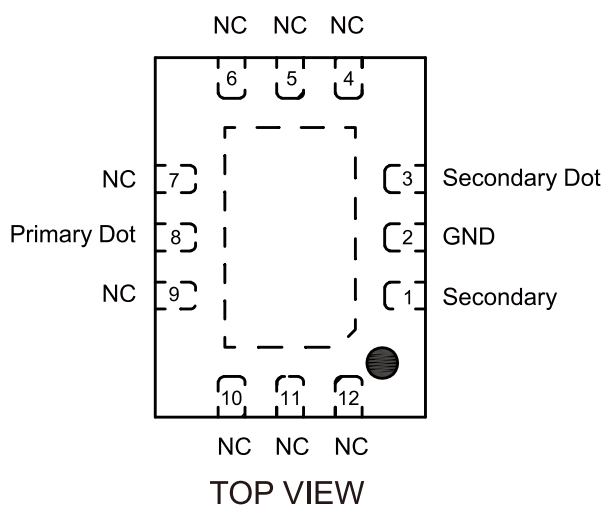
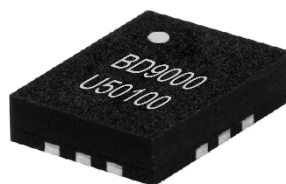
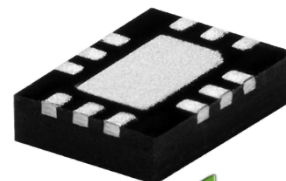


Features

- Wideband, 4 to 14 GHz
- Low insertion loss
- Excellent Common Mode Rejection
- 3x4 mm 12-Lead QFN-style package
- Human Body Model (HBM): Class 1C (1000 to <2000V)
- Charged Device Model (CDM): Class C3 (≥1000V)
- Moisture Sensitivity: MSL1



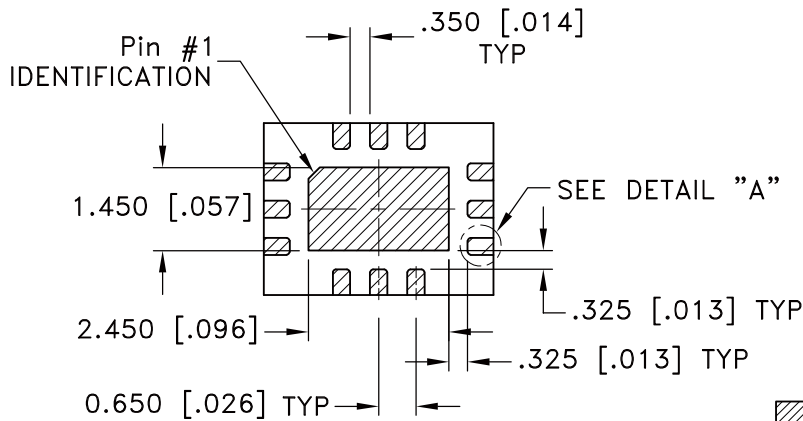
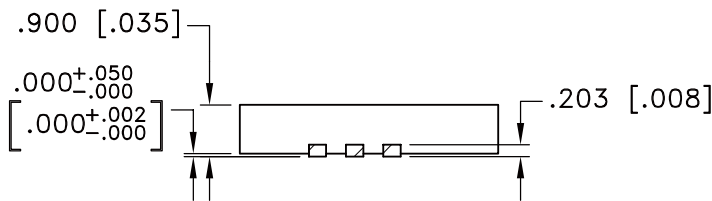
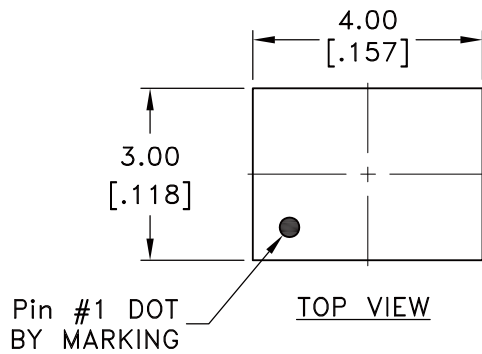
Applications

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

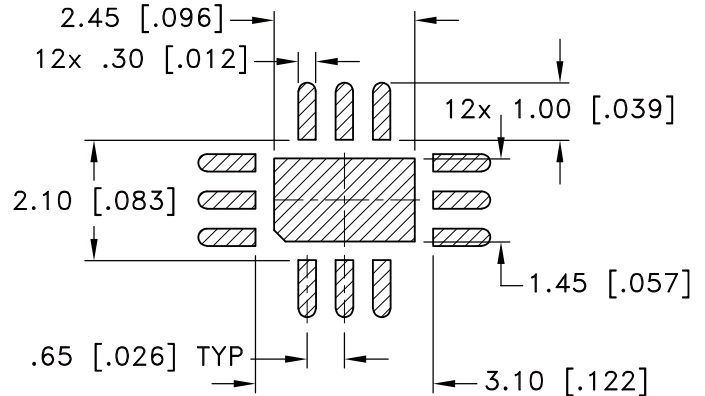
Electrical specifications at 25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Impedance Ratio (secondary/primary)			2		
Frequency Range		4		14	GHz
Average Insertion Loss (Above 3 dB Theoretical)	4-8 8-12 12-14		1.2 1.4 2.2	2.7 2.8 5.7	dB
Amplitude Unbalance	4-8 8-12 12-14		0.1 0.2 0.3	0.6 1.0 1.6	dB
Phase Unbalance	4-8 8-12 12-14		0.6 2.0 3.5	6.0 12.1 12.5	Degree
Common Mode Rejection Ratio (CMRR)	4-8 8-12 12-14		44 37 33		dB
Input Return Loss	4-8 8-12 12-14	8 6 4	12 14 11		dB
Input RF Power			2		W
Operating & Storage Condition					
Operation Temperature Range: -40°C ~ +85°C					
Storage Temperature Range: -65°C ~ +150°C					

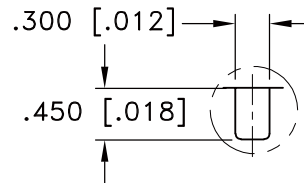
Outline Drawing (Units= mm [inches])



PCB Land Pattern



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

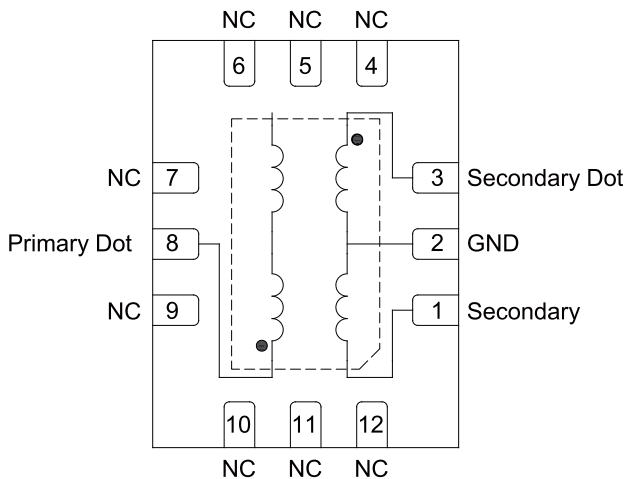


DETAIL "A"

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, Paddle	External ground.
NC	4-7, 9-12	No connection. Connected to ground on the test board.

Yantel Corporation

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