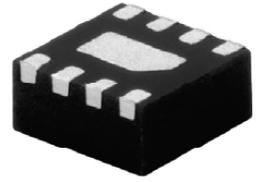
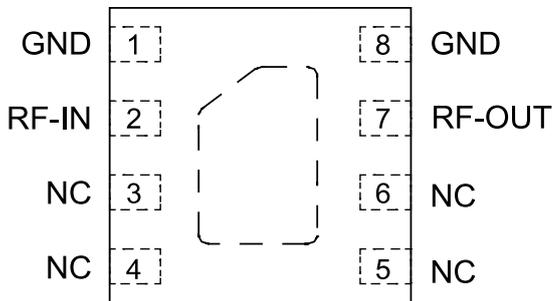


Features

- 10.2 dB Slope
- Negative Insertion Loss Slope vs. Frequency
- Wideband operation, DC to 6 GHz
- Excellent Power Handling Capability
- Small Size and simple to use (2 mm x 2 mm)
- Human Body Model (HBM): Class 2 (Pass 2000V)



TOP VIEW



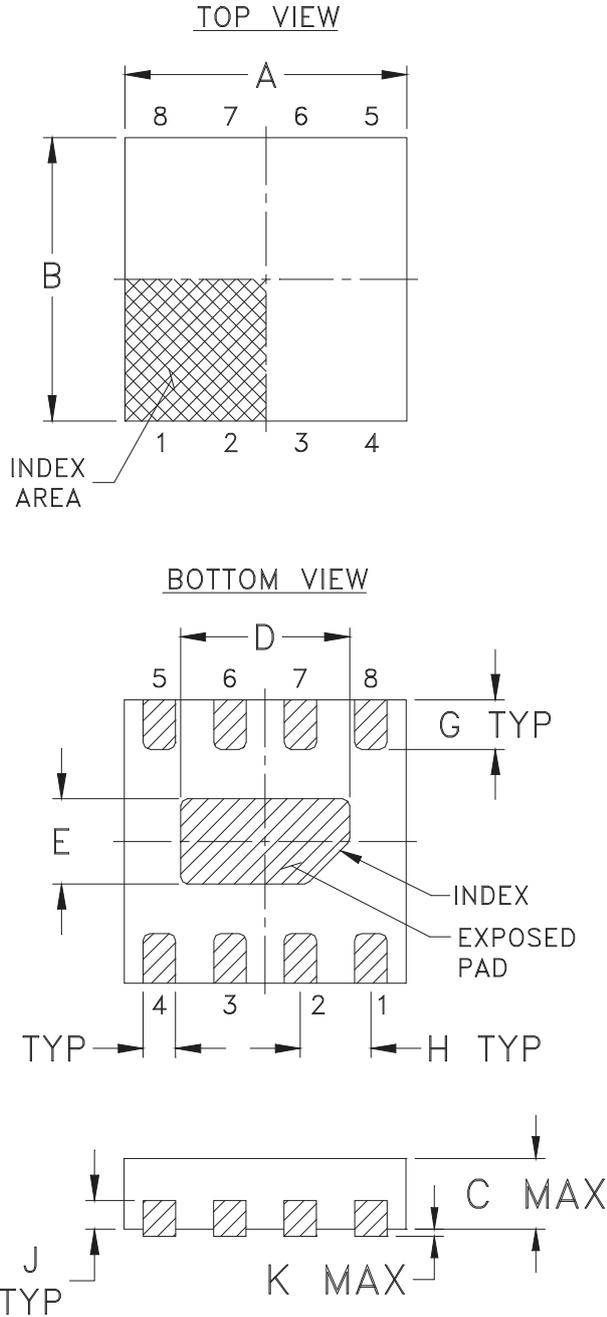
Applications

- Cellular
- PCS
- Communications
- Radar
- Defense

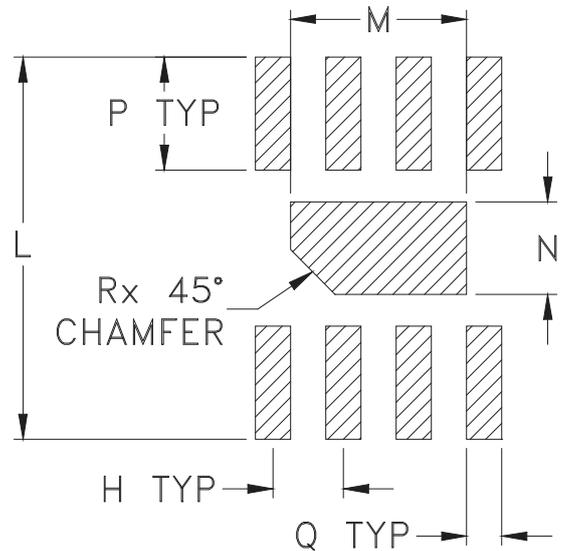
Electrical specifications at 25°C

| Parameter | Condition (GHz) | Min. | Typ. | Max. | Units |
|--|-----------------|------|------|------|-------|
| Frequency Range | | DC | | 6 | GHz |
| Insertion Loss | 0.01 | 10.3 | 11.2 | 11.5 | dB |
| | 1 | - | 10.0 | - | |
| | 2 | - | 7.5 | - | |
| | 3 | 4.4 | 4.9 | 5.2 | |
| | 4 | - | 2.9 | - | |
| | 5 | - | 1.7 | - | |
| VSWR | 6 | 0.4 | 1.0 | 1.3 | :1 |
| | 0.01-1 | - | 1.06 | - | |
| | 1-2 | - | 1.03 | - | |
| | 2-3 | - | 1.05 | - | |
| | 3-4 | - | 1.05 | - | |
| | 4-5 | - | 1.04 | - | |
| 5-6 | - | 1.12 | - | - | |
| Input RF Power | | 31 | | | dBm |
| Operating & Storage Condition | | | | | |
| Operation Temperature Range: -40°C ~ +85°C | | | | | |
| Storage Temperature Range: -65°C ~ +150°C | | | | | |

Outline Drawing



PCB Land Pattern



| A | B | C | D | E | F | G | H | J | K | L | M |
|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| .079 (2.00) | .079 (2.00) | .039 (1.00) | .047 (1.20) | .024 (.60) | .009 (.23) | .014 (.35) | .020 (.50) | .008 (.20) | .002 (.05) | .106 (2.70) | .049 (1.25) |
| N | P | Q | R | WT, GRAM | | | | | | | |
| .026 (.65) | .031 (.80) | .010 (.25) | .012 (.30) | .006 | | | | | | | |

Units= inches (mm)

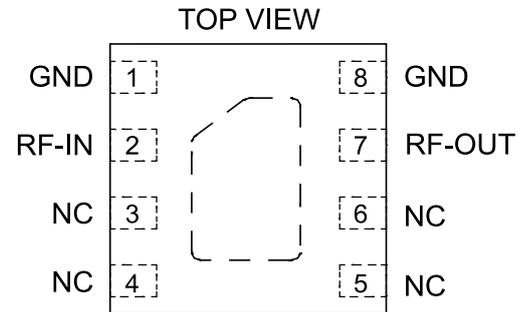
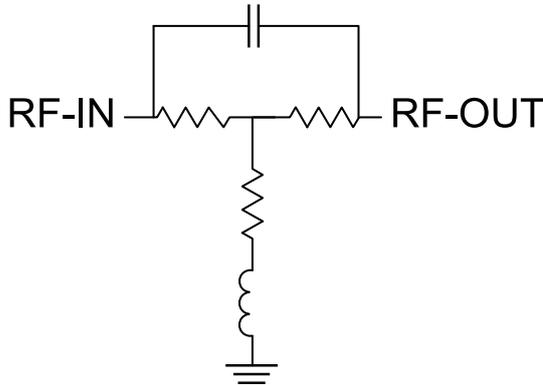
Tolerances=±.005 (±.13)

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

Simplified Schematic And Pad Description



| Function | Pad Number | Description |
|----------|--------------|---|
| RF-IN | 2 | RF-Input pad |
| RF-OUT | 7 | RF-Output pad |
| GND | 1,8 & Paddle | Ground |
| NC | 3-6 | No connection, connected to ground externally |

Characterization Test Circuit

