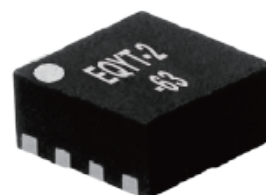
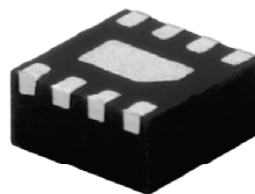
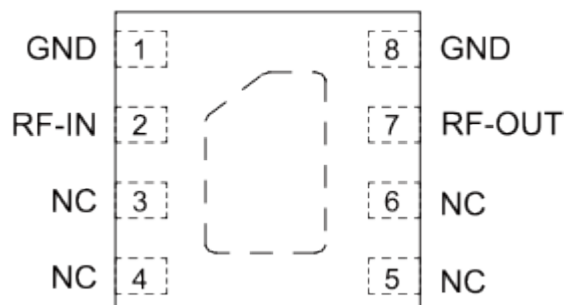


### Features

- 2.1 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            | 2.3  | 2.6  | 3    | dB    |
|                                          | 1               | -    | 2.55 | -    |       |
|                                          | 2               | -    | 2.18 | -    |       |
|                                          | 3               | 1.2  | 1.65 | 2    |       |
|                                          | 4               | -    | 1.19 | -    |       |
|                                          | 5               | 0.1  | 1.06 | 1.5  |       |
| VSWR                                     | 6               | -    | 1.0  | -    | :1    |
|                                          | 0.01-1          | -    | 1.05 | -    |       |
|                                          | 1-2             | -    | 1.06 | -    |       |
|                                          | 2-3             | -    | 1.07 | -    |       |
|                                          | 3-4             | -    | 1.3  | -    |       |
|                                          | 4-5             | -    | 1.6  | -    |       |
| Input RF Power                           | 5-6             | -    | 1.9  | -    | dBm   |
|                                          | 31              |      |      |      |       |
| Operating & Storage Condition            |                 |      |      |      |       |
| Operation Temperature Range: -40℃ ~ +85℃ |                 |      |      |      |       |
| Storage Temperature Range: -65℃ ~ +150℃  |                 |      |      |      |       |

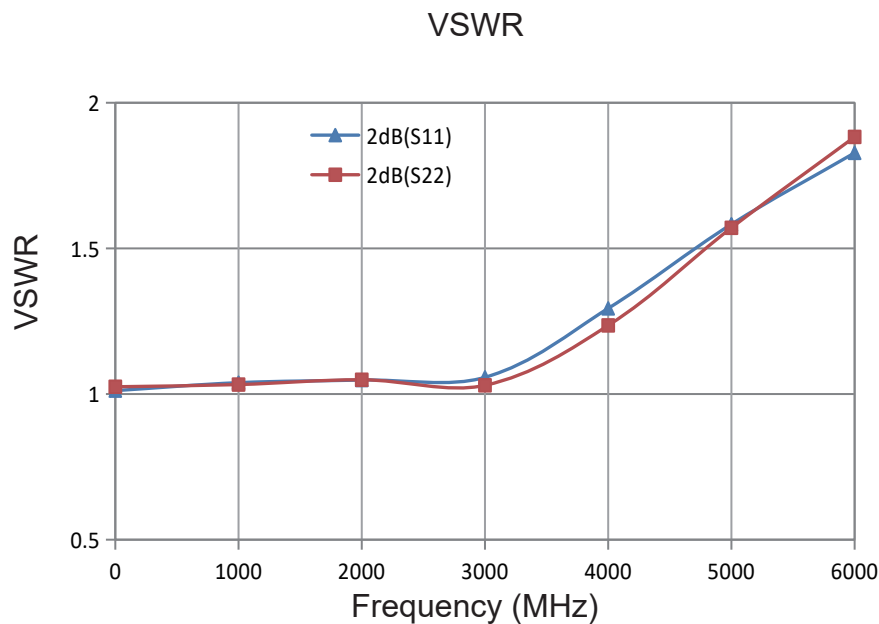
### Yantel Corporation

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

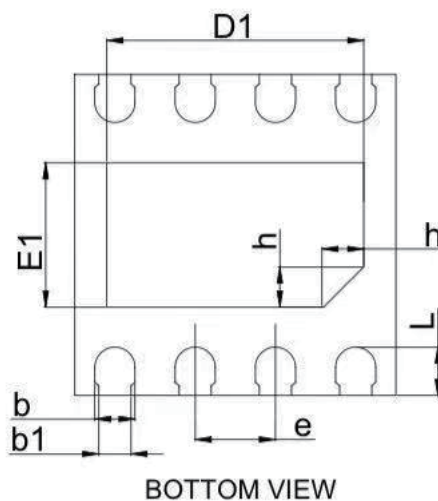
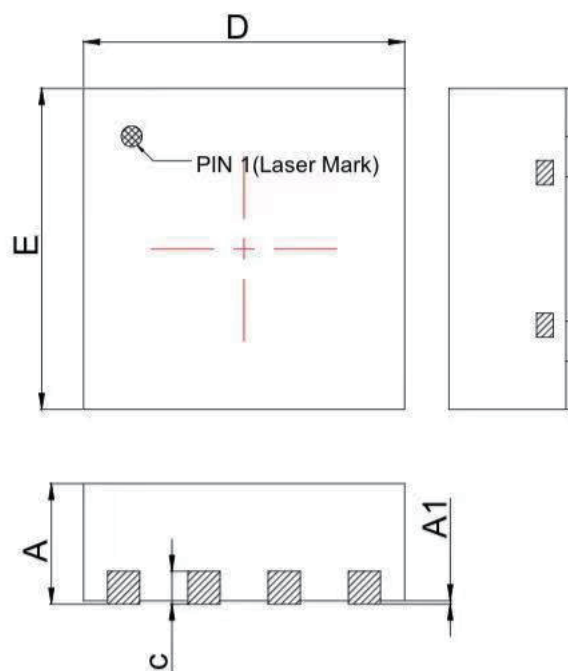
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

## Typical Performance (25°C: DC-6GHz)

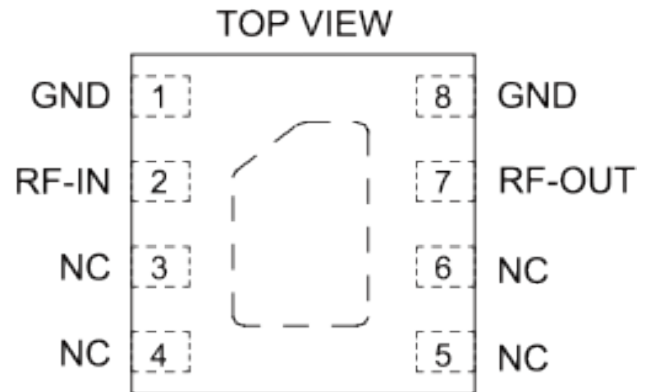
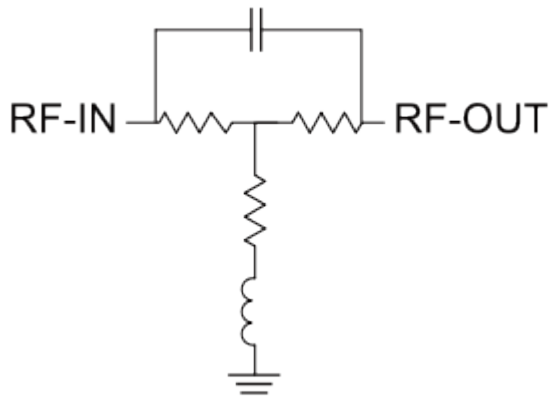


### Outline Drawing



| S<br>Y<br>M<br>B<br>O<br>L | COMMON DIMENSION & TOLERANCE |         |         |
|----------------------------|------------------------------|---------|---------|
|                            | ALL DIMENSION IN MILLIMETERS |         |         |
|                            | MINIMUM                      | MOMINAL | MAXIMUM |
| A                          | 0.70                         | 0.75    | 0.80    |
| A1                         | ---                          | 0.02    | 0.05    |
| b                          | 0.20                         | 0.25    | 0.30    |
| b1                         | 0.20REF                      |         |         |
| c                          | 0.18                         | 0.20    | 0.25    |
| D                          | 1.90                         | 2.00    | 2.10    |
| D1                         | 1.50                         | 1.60    | 1.70    |
| e                          | 0.50BSC                      |         |         |
| E                          | 1.90                         | 2.00    | 2.10    |
| E1                         | 0.80                         | 0.90    | 1.00    |
| L                          | 0.25                         | 0.30    | 0.35    |
| h                          | 0.20                         | 0.25    | 0.30    |

### 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

