



# P/N: LBW-IC06-1000M2000M-NFNF15-50

Коаксиальный изолятор 1 ГГц - 2 ГГц

## Характеристики:

- Передача мощности до 50 Вт
- Широкий рабочий диапазон
- Высокая развязка в пределах рабочего диапазона
- Низкие вносимые потери
- Стабильность характеристик вне зависимости от изменения температуры
- Возможность передачи сигналов LMDS
- Высокое значение средней мощности
- Характеристики могут быть изменены по требованию заказчика



| Parameter                |        | Min.            | Typ. | Max. | Units  |
|--------------------------|--------|-----------------|------|------|--------|
| Frequency Range          |        |                 | 1-2  |      | GHz    |
| Insertion Loss           | @+25°C |                 | 0.8  | 0.90 | dB     |
|                          | @-20°C |                 | 1.5  | 1.6  | dB     |
| Isolation (Note 1)       | @+25°C | 16              | 17   |      | dB     |
|                          | @-20°C | 12              | 13   |      |        |
| VSWR                     |        |                 | 1.5  | 1.6  | :1     |
| Forward Power (CW)       |        |                 |      | 50   | W      |
| Reverse Power (CW)       |        |                 |      | 10   | W      |
| Rotation                 |        | Clockwise       |      |      |        |
| Input /Output Connectors |        | N-Female        |      |      |        |
| Finishing                |        | Nickel Plated   |      |      |        |
| Case Material            |        | Aluminium Alloy |      |      |        |
| Weight                   |        |                 | 13.9 |      | ounces |
| Impedance                |        |                 | 50   |      | Ω      |

### Note1 :

Units which have a narrower frequency bandwidth can achieve higher isolation & lower insertion loss

Bandwidth (5 ~10) % x Center Frequency (Isolation >18dB)

Bandwidth (20~30) % x Center Frequency (Isolation >17dB)

Bandwidth (40~60) % x Center Frequency (Isolation >16dB)

Ask manufacture for detail

### Environmental Specifications

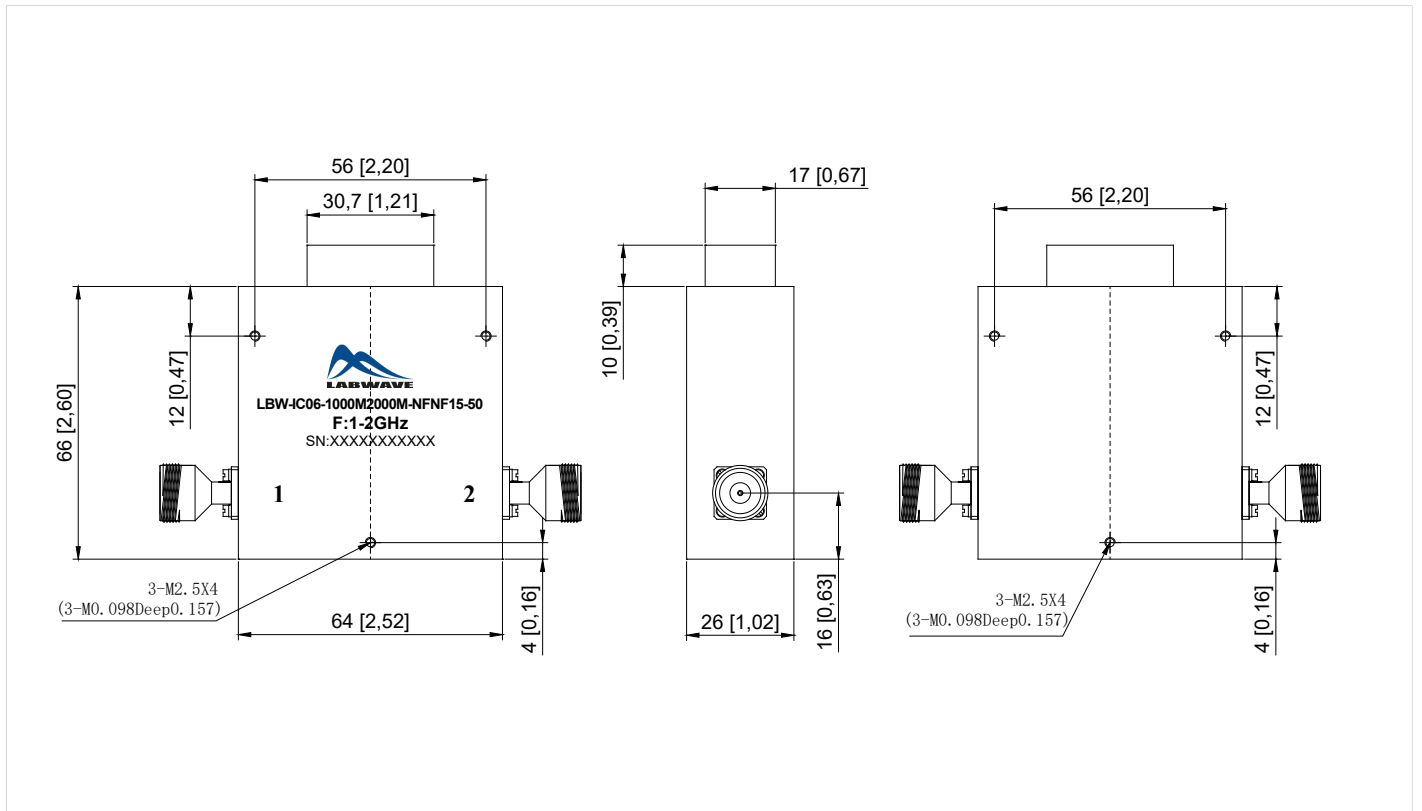
|                         |  |
|-------------------------|--|
| Operational Temperature | -20°C~+60°C  |
| Storage Temperature     | -40°C~+85°C  |
| Altitude                | 30,000 ft. (Epoxy Sealed Controlled environment)                                 |
|                         | 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional) |
| Vibration               | 25gRMS (15 degrees 2KHz) endurance, 1 hour per axis                              |
| Humidity                | 100% RH at 35°C, 95%RH at 40°C   |
| Shock                   | 20G for 11msec half sine wave, 3 axis both directions                            |

### Outline Drawing:

All Dimensions in mm(inches)

Outline Tolerances  $\pm 0.5(0.02)$

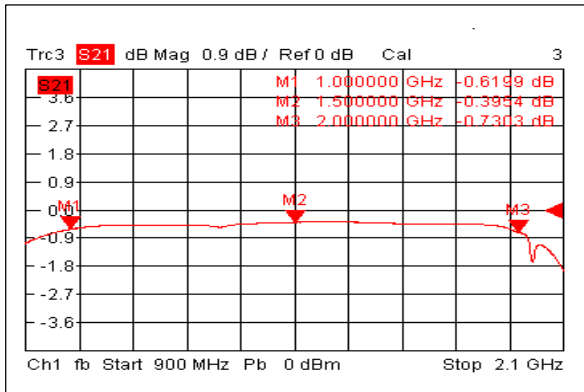
Mounting Holes Tolerances  $\pm 0.2(0.008)$



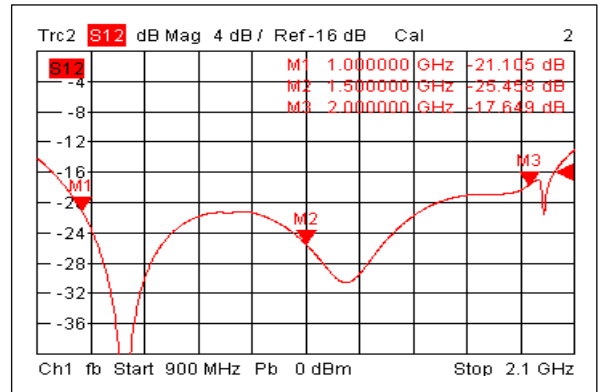
### Note:

Due to the isolators and circulators belong to magnetic components, please far away from the magnetic matters by over 2 inches when you install or place.

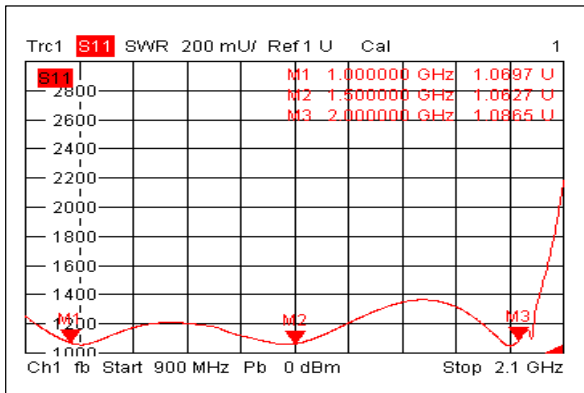
### Insertion Loss



### Isolation



### VSWR 1



### VSWR 2

