PRODUCT DATASHEET

# TERP-E-6000-10W

Broadband Low PIM Load for Wireless & Indoor Application, Support 350-6000MHz, 10W

## PRODUCT DESCRIPTION

RFS Technologies TERP-E series Low PIM Loads have been designed for a variety of wireless applications in the frequency band from 350 to 6000MHz with excellent PIM value. The products are ideally suited for termination of unused ports in distributed antenna systems or in RADIAFLEX® radiating cables systems. The loads feature an outstanding PIM performance to avoid interferences in 3G / 4G / 5G communication systems.



## FEATURES / BENEFITS

- **Broadband 350MHz-6000MHz**
- N Male Interface
- PIM Optimized Design (163dBc @2x43dBm)
- Low VSWR

# TECHNICAL FEATURES

## ELECTRICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Frequency Range** | MHz | 350-6000 |
| **VSWR** | | 1.22:1@350-2700MHz, 1.3:1@2701-6000MHz |
| **PIM 3rd @2*43 dBm** | dBc | 163 |
| **Input Impedance** | Ohm | 50 |

## MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Connectors** | | N Male |
| **Temperature Range** | °C | -25 to +50 |
| **IP Level** | | IP65 |
| **RoHS** | | Compliant |

## MODEL NUMBER SPECIFICATIONS

| **Model Number** | | **TERP-E-6000-2W** | **TERP-E-6000-5W** | **TERP-E-6000-10W** | **TERP-E-6000-20W** |
|---|---|---|---|---|---|
| **Average Power** | Watts | 2 | 5 | 10 | 20 |
| **Dimensions, L*W*H** | mm (in) | 50*77<br>(1.97*3.03) | 50*97<br>(1.97*3.82) | 44*141<br>(1.73*5.55) | 54*169<br>(2.13*6.65) |
| **Net Weight ±10%** | kg(lb) | 0.255(0.56) | 0.41(0.9) | 0.525(1.16) | 0.725(1.6) |

## MODEL NUMBER SPECIFICATIONS

| **Model Number** | | **TERP-E-6000-50W** | **TERP-E-6000-100W** | **TERP-E-6000-200W** |
|---|---|---|---|---|
| **Average Power** | Watts | 50 | 100 | 200 |
| **Dimensions, L*W*H** | mm (in) | 173*60*74<br>(6.81*2.36*2.91) | 233*130*75<br>(9.17*5.12*2.95) | 233*130*126<br>(9.17*5.12*4.96) |
| **Net Weight ±10%** | kg(lb) | 1.255(2.77) | 2.32(5.11) | 4.19(9.24) |



All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

**External Document Links**

LINK to VEX FILES

**Notes**



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