



## Low PIM Termination

## RTL04100F2

4.3-10 Male, 380-6000MHz, -160dBc, 100W, Round

Rev 1

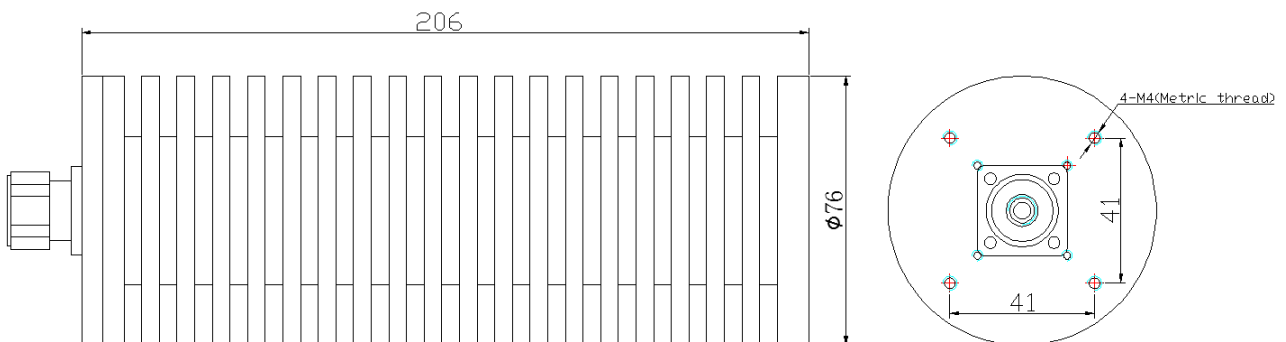
### Electrical & Environmental

|                    |   |
|--------------------|---|
| Impedance          | 50 ohm  |
| Frequency Range    | 380-6000 MHz  |
| Return Loss        | 18dB min @380-600MHz, 20dB min @600-4000MHz, 18dB min @4000-6000MHz |
| Input Avg Power    | 100W@ 25°C  |
| PIM (Intermod)     | -160dBc min (with 2×20W tones at 850/2600MHz @25°C)                 |
| Ingress Protection | IP67  |
| Operating Temp     | -40°C-+75°C   |

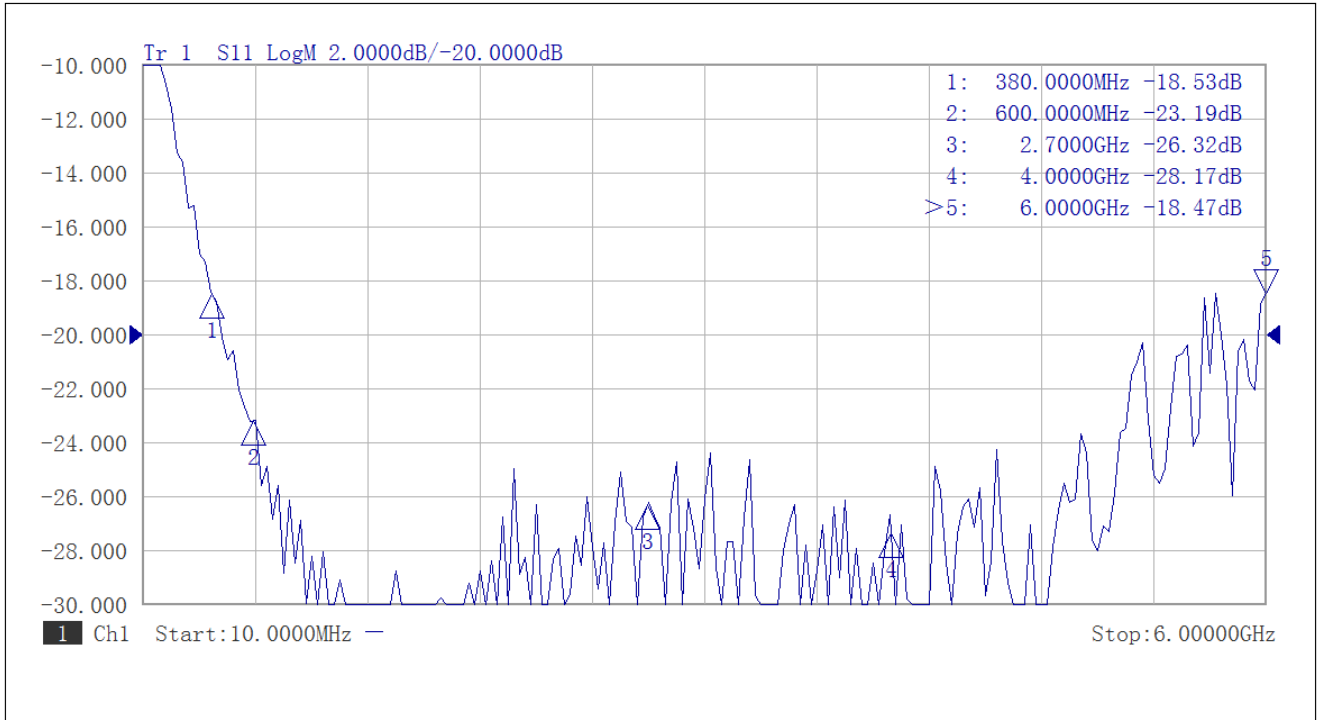
### Mechanical

|                |                             |
|----------------|-----------------------------|
| Connector      | 4.3-10 male                 |
| Connector Body | Brass, ternary alloy plated |
| Center Contact | Silver plated brass         |
| Dielectric     | PTFE                        |
| Housing        | Aluminum, anodized black    |
| Weight         | About 2 kg                  |

### Dimensions(mm)

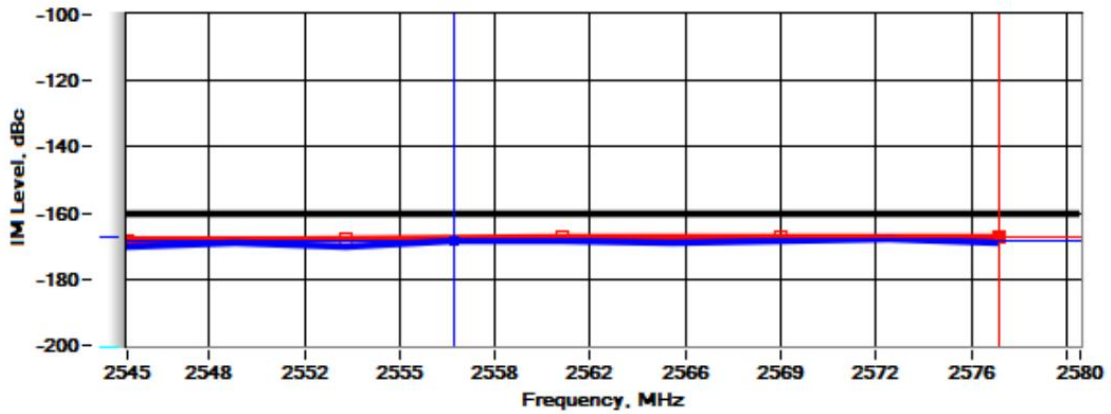


# Typical Test Data



## Passive IM Response (IM3)

**F2 Down** — F1=2620.0 MHz, F2=2683.0 MHz; IM3=-168.2 dBc at 2557.0  
**F1 Up** — F1=2636.0 MHz, F2=2695.0 MHz; IM3=-167.2 dBc at 2577.0



## PORT 1 REVERSE IM