

Our RF Termination Series is available in 2.40mm, 2.92mm, 3.50mm, N-type and SMA series. The range also includes standard feed-thru load and RF load versions with male, female, jack and plug genders.

Our terminations (also known as RF loads or Dummy loads) have some precision designs and offer a frequency range as high as 50 GHz.



Key Features:

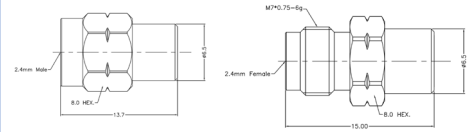
- ⊕ 50-ohm Impedance
- ⊕ Insulation resistance >5000MΩ
- ⊕ Durability >500 Cycles
- ⊕ Available in Male and Female Threads
- ⊕ Available in Plug or Jack
- ⊕ Beryllium Copper Contact Pin
- ⊕ Body Material available in Stainless Steel Passivation

2.40mm Termination Series



RFTERM240P05W

- ⊕ Max Voltage 335V
- ⊕ Operating Temperature -65C to +165C (0.5W) -55C to +125C (1W)
- ⊕ Frequency Range 0-40GHz
- ⊕ VSWR <1.20 (0.5W) <1.25 (1W)
- ⊕ Dielectric withstanding Voltage >750V
- ⊕ Available in 0.5W and 1W



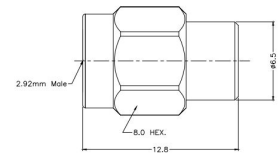
| Part Number | Fitting | Plug or Jack | Watts |
|---------------|---------|--------------|-------|
| RFTERM240P05W | 240 | Plug | 05W |
| RFTERM240J05W | 240 | Jack | 05W |
| RFTERM240P1W | 240 | Plug | 1W |
| RFTERM240J1W | 240 | Jack | 1W |

2.92mm Termination Series



RFTERM292P05W

- ⊕ Max Voltage 335V
- ⊕ Operating Temperature -65C to +165C (0.5W) -55C to +125C (1W)
- ⊕ Frequency Range 0-40GHz
- ⊕ VSWR <1.15 (1W) <1.20 (2W)
- ⊕ Dielectric withstanding Voltage >750V
- ⊕ Available in 1W and 2W



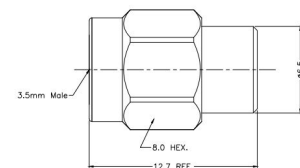
| Part Number | Fitting | Plug or Jack | Watts |
|---------------|---------|--------------|-------|
| RFTERM292P05W | 292 | Plug | 05W |
| RFTERM292J05W | 292 | Jack | 05W |
| RFTERM292P1W | 292 | Plug | 1W |
| RFTERM292J1W | 292 | Jack | 1W |

3.50mm Termination Series



RFTERM350P1W

- ⊕ Max Voltage 335V
- ⊕ Operating Temperature -65C to +165C
- ⊕ Frequency Range 0-40GHz
- ⊕ VSWR <1.15 (1W) <1.20 (2W)
- ⊕ Dielectric withstanding Voltage >750V
- ⊕ Available in 1W and 2W



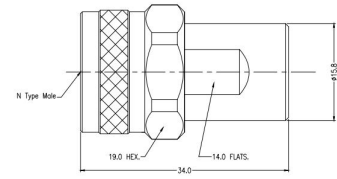
| Part Number | Fitting | Plug or Jack | Watts |
|--------------|---------|--------------|-------|
| RFTERM350P1W | 350 | Plug | 1W |
| RFTERM350J1W | 350 | Jack | 1W |
| RFTERM350P2W | 350 | Plug | 2W |
| RFTERM350J2W | 350 | Jack | 2W |

N Type Termination Series



RFTERMNP2W

- ⊞ Max Voltage 335V
- ⊞ Operating Temperature -40C to +85C
- ⊞ Frequency Range 0-18GHz
- ⊞ VSWR <1.20
- ⊞ Dielectric withstanding Voltage >1500V
- ⊞ Available in 2W



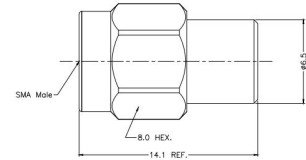
| Part Number | Fitting | Plug or Jack | Watts |
|-------------|---------|--------------|-------|
| RFTERMNP2W | N | Plug | 2W |
| RFTERMNJ2W | N | Jack | 2W |

SMA Termination Series



RFTERMSMAP1W

- ⊞ Max Voltage 335V
- ⊞ Operating Temperature -65C to +165C
- ⊞ Frequency Range 0-18GHz
- ⊞ VSWR <1.15 (1W) <1.20 (2W)
- ⊞ Dielectric withstanding Voltage >750V
- ⊞ Available in 1W and 2W



| Part Number | Fitting | Plug or Jack | Watts |
|--------------|---------|--------------|-------|
| RFTERMSMAP1W | SMA | Plug | 1W |
| RFTERMSMAJ1W | SMA | Jack | 1W |
| RFTERMSMAP2W | SMA | Plug | 2W |
| RFTERMSMAJ2W | SMA | Jack | 2W |

Electrical:

| | |
|----------------------------|---------|
| Insulation Resistance: | >5000MΩ |
| Impedance: | 50Ω |
| Centre Contact Resistance: | <3.0mΩ |
| Outer Contact Resistance: | <2.0mΩ |

Mechanical:

| | |
|--------------------------------|------------------|
| Centre Contact Retention: | >20N |
| Coupling Torque: | 0.80Nm to 1.10Nm |
| Coupling Torque (APC-7) RPC 7: | 0.70Nm to 1.10Nm |
| Coupling Torque RPC N: | 1.36Nm |
| Cycles: | >500 |
| Cycles (APC-7) RPC N: | >500 |
| Cycles (APC-7) RPC 7: | >5000 |

Material

| | |
|------------|--|
| Body: | Passivation of Stainless Steel |
| Contact: | Beryllium Copper |
| Insulator: | Adapter ASTM D 1710 UNFILLED ULTEM 1000/PEI |
| RoHS: | Compliant |

| Mount Hole Distance | Code |
|---------------------|------|
| 6.35mm | A |
| 7.16mm | B |
| 8.60mm | C |
| 8.65mm | D |
| 8.90mm | E |
| 10.20mm | F |
| 12.20mm | G |
| 12.70mm | H |
| 18.30mm | I |

| Socket Diameter | Code |
|-----------------|------|
| 0.23mm | A |
| 0.30mm | B |
| 0.38mm | C |
| 0.46mm | D |
| 0.51mm | E |
| 0.91mm | F |

| Flange Mount Length | Code |
|---------------------|------|
| 9.50mm | A |
| 10.16mm | B |
| 12.70mm | C |
| 14.00mm | D |
| 15.80mm | E |
| 17.50mm | F |
| 25.40mm | G |

| Function | Code |
|-------------|------|
| Straight | A |
| Right Angle | B |
| Edge Launch | C |
| CMC | D |
| End Launch | E |

| PCB Thickness | Code |
|---------------|------|
| 0.61mm | A |
| 0.87mm | B |
| 1.78mm | C |
| 1.88mm | D |

| Function CMC | Code |
|-----------------|------|
| Microstrip Line | A |
| Stripline | B |

| Seal Position | Code |
|---------------|------|
| SMA Side | A |
| N Side | B |

| Pin Diameter | Code |
|--------------|------|
| 0.30mm | A |
| 0.38mm | B |
| 0.60mm | C |
| 0.64mm | D |
| 0.75mm | E |
| 0.80mm | F |
| 0.86mm | G |
| 0.87mm | H |
| 1.00mm | I |
| 1.04mm | J |
| 1.20mm | K |
| 1.27mm | L |
| 1.50mm | M |
| 2.70mm | N |

| Cable Spec | Code |
|------------|------|
| STA 142 | G |
| UFB142A | G |
| -GORE 3507 | G |
| 1401 Cable | G |