# TECHNICAL SPECIFICATION

## Connectors

| Version | Date | Prepared | Reviewed | Approved |
|---|---|---|---|---|
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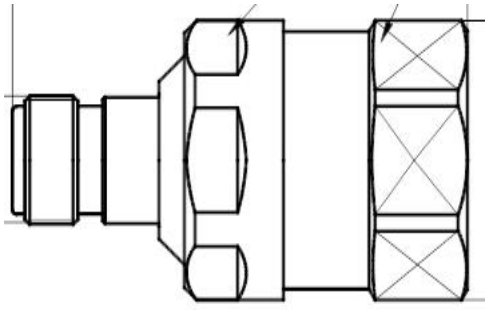
| No. | Description | ZTT code |
|---|---|---|
| 9 | 7/8” N Type Female Connector | NF-22 |
| 7 | 7/8” N Type Male Connector | NM-22 |
| 8 | 7/8” N Type Male Connector | NMA-22 |
| 12 | 7/8” 7/16(Din) Type Female Connector | DINF-22 |
| 10-11 | 7/8” 7/16(Din) Type Male Connector | DINM-22 |
| 15 | 7/8” 4.3-10 Type Male Connector | 4310M-22 |

# 7/8” N Type Female Connector (NF-22)

## 1. Description



RF connector with N type is typical type for communication systems.
ZTT connectors have the following features:
(a) Excellent VSWR Performance
(b) Fast and Easy Installation
(c) Waterproof
(d)Environment Resistance Ensures Long Life and Consistent Performance

Note: The picture is for reference only.

## 2. Electrical Characteristics

| Item | Specification |
|---|---|
| Characteristic impedance（Ω） | 50±2 |
| Frequency range（GHz） | 0~3.8 |
| VSWR | ≤1.20 |
| Contact resistance（mΩ） | Center contact≤1, outer contact≤0.25 |
| Dielectric resistance（MΩ） | ≥5000 |
| PIM（dBc） | -155 |

## 3. Mechanical Characteristics

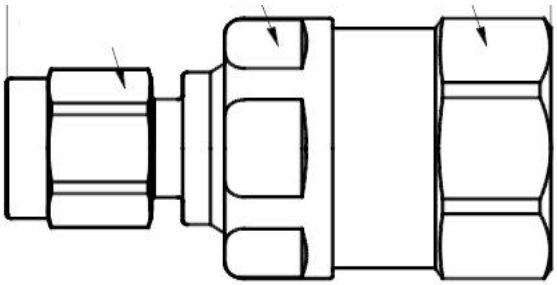
| Item | Specification |
|---|---|
| Durability（cycles） | Mating cycles≥500 |

## 4. Environmental Characteristics

| Item | Specification |
|---|---|
| Temperature range（℃） | -40~+85 |
| Thermal Shock Test Method | IEC 60068-2-27/GB/T 2423.5 |
| Vibration Test Method | IEC 60068-2-6/GB/T 2423.10 |
| Salt Mist Test Method | IEC 60068-2-11/GB/T 2423.17(48H,Neutral) |

# 7/8” N Type Male Connector (NM-22)

## 1. Description



RF connector with N type is typical type for communication systems.
ZTT connectors have the following features:
(a) Excellent VSWR Performance
(b) Fast and Easy Installation
(c) Waterproof
(d)Environment Resistance Ensures Long Life and Consistent Performance

Note: The picture is for reference only.

## 2. Electrical Characteristics

| Item | Specification |
|---|---|
| Characteristic impedance（Ω） | 50±2 |
| Frequency range（GHz） | 0~3.8 |
| VSWR | ≤1.20 |
| Contact resistance（mΩ） | Center contact≤1, outer contact≤0.25 |
| Dielectric resistance（MΩ） | ≥5000 |
| PIM（dBc） | -155 |

## 3. Mechanical Characteristics

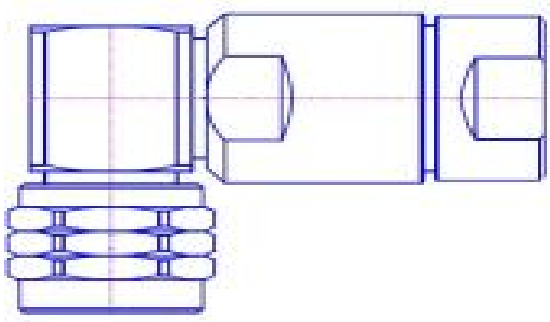
| Item | Specification |
|---|---|
| Durability（cycles） | Mating cycles≥500 |

## 4. Environmental Characteristics

| Item | Specification |
|---|---|
| Temperature range（℃） | -40~+85 |
| Thermal Shock Test Method | IEC 60068-2-27/GB/T 2423.5 |
| Vibration Test Method | IEC 60068-2-6/GB/T 2423.10 |
| Salt Mist Test Method | IEC 60068-2-11/GB/T 2423.17(48H,Neutral) |

# 7/8” N Type Male Right Angle Connector (NMA-22)

## 1. Description



Note: The picture is for reference only.

RF connector with N type is typical type for communication systems.
ZTT connectors have the following features:
(a) Excellent VSWR Performance
(b) Fast and Easy Installation
(c) Waterproof
(d)Environment Resistance Ensures Long Life and Consistent Performance

## 2. Electrical Characteristics

| Item | Specification |
|---|---|
| Characteristic impedance（Ω） | 50±2 |
| Frequency range（GHz） | 0~3.8 |
| VSWR | ≤1.20 |
| Contact resistance（mΩ） | Center contact≤1, outer contact≤0.25 |
| Dielectric resistance（MΩ） | ≥5000 |
| PIM（dBc） | -155 |

## 3. Mechanical Characteristics

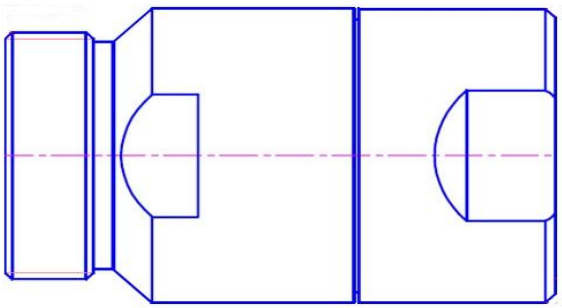
| Item | Specification |
|---|---|
| Durability（cycles） | Mating cycles≥500 |

## 4. Environmental Characteristics

| Item | Specification |
|---|---|
| Temperature range（℃） | -40~+85 |
| Thermal Shock Test Method | IEC 60068-2-27/GB/T 2423.5 |
| Vibration Test Method | IEC 60068-2-6/GB/T 2423.10 |
| Salt Mist Test Method | IEC 60068-2-11/GB/T 2423.17(48H,Neutral) |

# 7/8” 7/16(Din) Type Female Connector (DF-22)

## 1. Description



Note: The picture is for reference only.

RF connector with 7/16(Din) type is typical type for communication systems.
ZTT connectors have the following features:
(a) Excellent VSWR Performance
(b) Fast and Easy Installation
(c) Waterproof
(d) Environment Resistance Ensures Long Life and Consistent Performance

## 2. Electrical Characteristics

| Item | Specification |
|---|---|
| Characteristic impedance（Ω） | 50±2 |
| Frequency range（GHz） | 0~3.8 |
| VSWR | ≤1.20 |
| Contact resistance（mΩ） | Center contact≤0.4, outer contact≤0.2 |
| Dielectric resistance（MΩ） | ≥5000 |
| PIM（dBc） | -155 |

## 3. Mechanical Characteristics

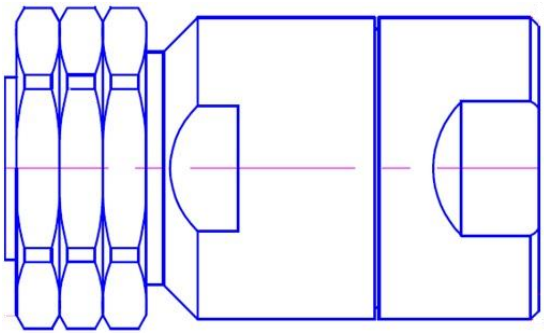
| Item | Specification |
|---|---|
| Durability（cycles） | Mating cycles≥500 |

## 4. Environmental Characteristics

| Item | Specification |
|---|---|
| Temperature range（℃） | -40~+85 |
| Thermal Shock Test Method | IEC 60068-2-27/GB/T 2423.5 |
| Vibration Test Method | IEC 60068-2-6/GB/T 2423.10 |
| Salt Mist Test Method | IEC 60068-2-11/GB/T 2423.17(48H,Neutral) |

# 7/8” 7/16(Din) Type Male Connector (DM-22)

## 1. Description



Note: The picture is for reference only.

RF connector with 7/16(Din) type is typical type for communication systems.
ZTT connectors have the following features:
(a) Excellent VSWR Performance
(b) Fast and Easy Installation
(c) Waterproof
(d) Environment Resistance Ensures Long Life and Consistent Performance

## 2. Electrical Characteristics

| Item | Specification |
|---|---|
| Characteristic impedance（Ω） | 50±2 |
| Frequency range（GHz） | 0~3.8 |
| VSWR | ≤1.20 |
| Contact resistance（mΩ） | Center contact≤0.4, outer contact≤0.2 |
| Dielectric resistance（MΩ） | ≥5000 |
| PIM（dBc） | -155 |

## 3. Mechanical Characteristics

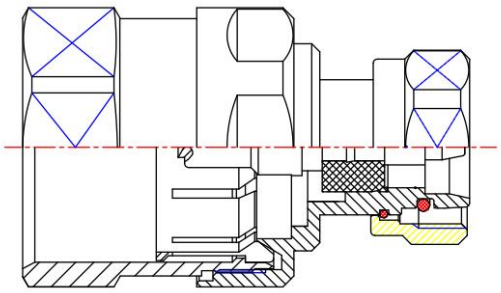
| Item | Specification |
|---|---|
| Durability（cycles） | Mating cycles≥500 |

## 4. Environmental Characteristics

| Item | Specification |
|---|---|
| Temperature range（℃） | -40~+85 |
| Thermal Shock Test Method | IEC 60068-2-27/GB/T 2423.5 |
| Vibration Test Method | IEC 60068-2-6/GB/T 2423.10 |
| Salt Mist Test Method | IEC 60068-2-11/GB/T 2423.17(48H,Neutral) |

# 7/8” 4.3-10 Type Male Connector (4310M-22)

## 1. Description



RF connector with 4.3-10 type is typical type for communication systems.
ZTT connectors have the following features:
(a) Excellent VSWR Performance
(b) Fast and Easy Installation
(c) Waterproof
(d) Environment Resistance Ensures Long Life and Consistent Performance

Note: The picture is for reference only.

## 2. Electrical Characteristics

| Item | Specification |
|---|---|
| Characteristic impedance（Ω） | 50±2 |
| Frequency range（GHz） | 0~3.8 |
| VSWR | ≤1.20 |
| Contact resistance（mΩ） | Center contact≤1, outer contact≤0.6 |
| Dielectric resistance（MΩ） | ≥5000 |
| PIM（dBc） | -155 |

## 3. Mechanical Characteristics

| Item | Specification |
|---|---|
| Durability（cycles） | Mating cycles≥500 |

## 4. Environmental Characteristics

| Item | Specification |
|---|---|
| Temperature range（℃） | -40~+85 |
| Thermal Shock Test Method | IEC 60068-2-27/GB/T 2423.5 |
| Vibration Test Method | IEC 60068-2-6/GB/T 2423.10 |
| Salt Mist Test Method | IEC 60068-2-11/GB/T 2423.17(48H,Neutral) |