UNI-T

# UT-3009F/M校准件

UT-3009F/M校准件分别是标准型3.5mm/SMA公头和3.5mm/SMA母头同轴校准件，其中包括：开路，短路，负载和直通校准件；机械套件包含独立标准来表征系统误差，用于校准矢量网络分析仪。


| 机械性能 | |
|---|---|
| 外壳 | 黄铜镀金 |
| 内导体 | 铍铜镀金 |
| 螺母 | 不锈钢纯化 |
| 平均功率 | ≤1W |
| 工作温度 | -45°C 至 +120°C |



PN:110401113128X

UNI-T

## 性能参数

| 型号 | | 类型 | 连接形式 | 参数 |
|---|---|---|---|---|
| UT-3009F\M | UT-3009F | 开路Open | 3.5mm-Female | DC至9GHz，Phase Deviation*≤ ±1° |
| | | 短路Short | 3.5mm-Female | DC至9GHz，Phase Deviation≤ ±1° |
| | | 负载Load | 3.5mm-Female | DC至9GHz，<br>SWR≤ 1.04@3GHz，<br>≤ 1.05@6GHz，<br>≤ 1.1@9GHz<br>(Return Loss≥ -36dB) |
| | | 直通Through | 3.5mm-Female to 3.5mm-Female | DC至9GHz，SWR≤ 1.1 (Return Loss≥ -36dB)，Insert Loss≤ 0.1dB。 |
| | UT-3009M | 开路Open | 3.5mm-Male | DC至9GHz，Phase Deviation≤ ±1° |
| | | 短路Short | 3.5mm-Male | DC至9GHz，Phase Deviation≤ ±1° |
| | | 负载Load | 3.5mm-Male | DC至9GHz，SWR≤ 1.04@3GHz，<br>≤ 1.05@6GHz，<br>≤ 1.1@9GHz<br>(Return Loss≥ -36dB) |
| | | 直通Through | 3.5mm-Male to 3.5mm-Male | DC至9GHz，SWR≤ 1.1 (Return Loss≥ -36dB)，Insert Loss≤ 0.1dB。 |

***表示与标准相位的相对公差**

2024年11月

UNI-T

# UT-3009F/M (Standard Component)

The UT-3009F/M calibration kits include standard 3.5mm/SMA male and female coaxial calibration components, such as open, short, load, and through calibration standards. These mechanical kits contain independent standards designed to characterize system errors, specifically for calibrating vector network analyzers.


| Mechanical Specification | |
|---|---|
| Housing | Gold-plated brass |
| Inner Conductor | Gold-plated beryllium copper |
| Nut | Passivated stainless steel |
| Average Power | ≤1W |
| Operating Temperature | -45°C to +120°C |



PN:110401113128X

## Technical Specification

| Model | | Type | Connecting | Parameter |
|---|---|---|---|---|
| UT-3009F\M | UT-3009F | Open circuit | 3.5mm-Female | DC to 9 GHz, Phase Deviation*≤ ±1° |
| | | Short circuit | 3.5mm-Female | DC to 9 GHz, Phase Deviation≤ ±1° |
| | | Load | 3.5mm-Female | DC to 9 GHz, SWR≤ 1.04@3 GHz, ≤ 1.05@6 GHz, ≤ 1.1@ 9 GHz (Return Loss≥ -36dB) |
| | | Through | 3.5mm-Female to 3.5mm-Female | DC to 9 GHz, SWR≤ 1.1 (Return Loss≥ -36dB), Insert Loss≤ 0.1dB。 |
| | UT-3009M | Open circuit | 3.5mm-Male | DC to 9 GHz, Phase Deviation≤ ±1° |
| | | Short circuit | 3.5mm-Male | DC to 9 GHz, Phase Deviation≤ ±1° |
| | | Load | 3.5mm-Male | DC to 9 GHz, SWR≤ 1.04@3 GHz, ≤ 1.05@6 GHz, ≤ 1.1@9 GHz (Return Loss≥ -36dB) |
| | | Through | 3.5mm-Male to 3.5mm-Male | DC to 9 GHz, SWR≤ 1.1 (Return Loss≥ -36 dB), Insert Loss≤ 0.1 dB |

* Relative tolerance to standard phase

Nov.2024