

## PRODUCT SPECIFICATION: SMPLRNMNF

### RF Sampler Port



#### PART NUMBER

SMPLRNMNF

#### MOUNTING NUT SIDE CONNECTOR

TYPE N FEMALE – TYPE N MALE

#### SAMPLER PORT CONNECTOR

SMA FEMALE

#### FEATURES:

- Wide Frequency Range of Operation
- Low VSWR and Insertion Loss
- DC Pass
- SMA Male Cap – To prevent Radiated energy when not connected.
- Bi-Directional
- RoHS Compliant
- Indoor use only, non-weatherized
- Small and Compact
- TNC Version Available

This Type N RF Sampler is a valuable device for monitoring RF Signals, carrier RF misbalances, power changes, noise, and interference.

Ideally, the device should be integrated permanently into the cable run, so that it can quickly assist with troubleshooting should the need arise. This unit can also be utilized while passing DC on the center pin.

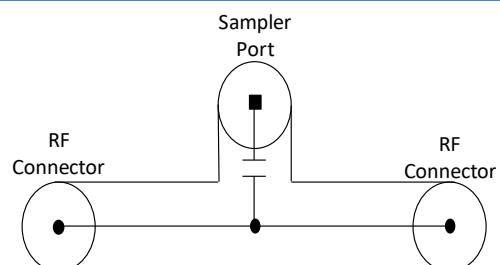
Because the monitoring device is permanently mounted, it allows a technician to easily diagnose many communication issues without interrupting service.

#### RF Specifications

<b>Nominal Impedance</b>	50 Ohm
<b>RF Power</b>	1kW @ 10 MHz 100W @ 1 GHz 10W @ 3 GHz
<b>Monitor Port</b>	-38dB ±2dB @ 700 to 900 MHz -30dB ±2dB @ 2 GHz

Frequency (GHz)	VSWR (typ.)	Insertion Loss dB (typ.)
DC – 3 GHz	≤1.1	≤0.1

#### Schematic



## PRODUCT SPECIFICATION: SMPLRNMNF

### Mechanical Specifications:

**Weight:** 0.12 lb. (0.05 kg)

Material & Finish		
Component	Material	Finish
Outer Parts	Brass	Nickel
Center Contact	Be Cu	Gold
Insulator	PTFE	---
Gasket O-ring	Silicon	---

### Mechanical Outline

