

DESCRIPTION

The TES3000-60 is a Laboratory-quality, RF SPDT Switch with 60dB isolation and only 1dB insertion loss. The switch is full terminated at all ports

The TES3000-60 is the smallest **USB** microwave switch available and is also priced significantly below the current market offerings.

Applications include switching between two RF sources or loads. The optional HUB allows the switch to remain in a given state even after the host PC is removed from the system.

The switch also contains 0.5GB of flash memory used for installation files, test data and other supporting documentation. Drivers, utilities and documentation are available on the switch itself.

CALIBRATION

Full test data performed at the factory results are stored on the each unit is .s2p format in Flash.

TELEMAKUS LLC

RF DESIGN SERVICES



TES3000-60

Rev 1 June2009

BENEFITS

FEATURES

60dB Isolation @ 1GHz

USB interface

50MHz to 3GHz

Low Insertion Loss

PC Software supported

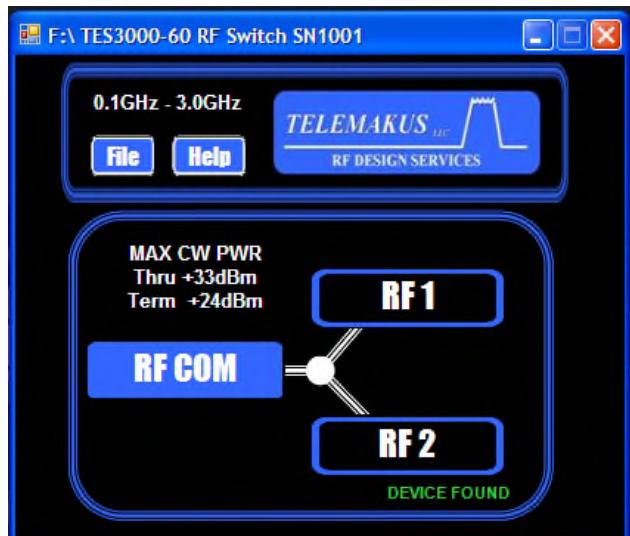
Non reflective

Max input +20dBm



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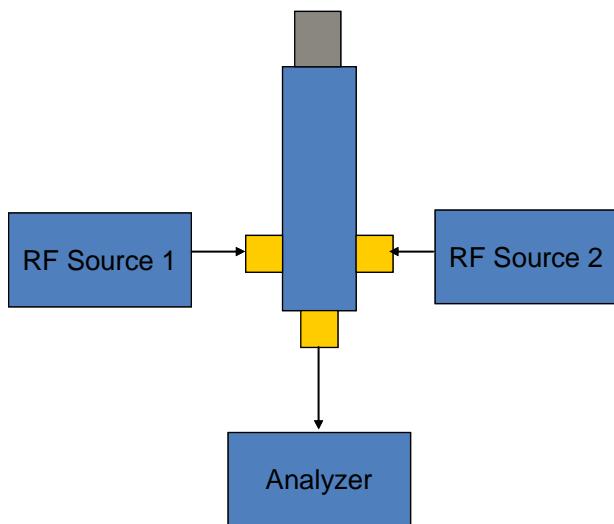
TES3000-60 Rev 1 JUN

Ordering information

| Model | Frequency | Max Input | |
|------------|---------------|-----------|--|
| TES3000-60 | 50MHz to 3GHz | +23dBm | |
| | | | |
| | | | |
| | | | |

Easy to use graphic interface with push button controls

TES3000-60



Typical Configuration

| Specifications | | | |
|----------------------------|--|-----------------|---------------------|
| Parameter | | | Specification |
| Freq Range | | | 50MHz to 3GHz |
| Isolation | | | 60dB |
| Interface | | | USB 2.0 |
| Current | | | 150mA @5V Vbus(USB) |
| High IP3 | | | =55dBm |
| Insertion Loss | | | <1dB |
| P1dB | | | 50dBm |
| Switching Time | | | 2uS |
| RF Common Connector | | | SMA Male |
| RF1 and RF2 Connector | | | SMA Female |
| USB Connector | | | Mini A |
| Environmental | | | |
| Temperature Range | | -40 to +55 degC | |
| | | | |
| | | | |
| Not Environmentally sealed | | | |