



# New Product Announcement

## Product Overview

I.F. Engineering Corp (IFE) latest Solid-State switch design features greater than 95 dB Isolation at 70 MHz and operates over a frequency range of 20 to 1000 MHz.

It is designed for both commercial and military applications and has a high reliability option.

Its compact design of 1.04 cubic inches (excluding connectors and solder terminals) is small in size compared to other available products.

We offer standard configurations but our specialty is providing uniquely engineered products that will meet your specific needs.

### Product Features

#### Solid-Sate Design

Frequency Range: 20 to 1000 MHz

Isolation: > 95 dB at 70 MHz

Insertion Loss: < 1.2 dB at 70

VSWR In/Out: 1.5:1

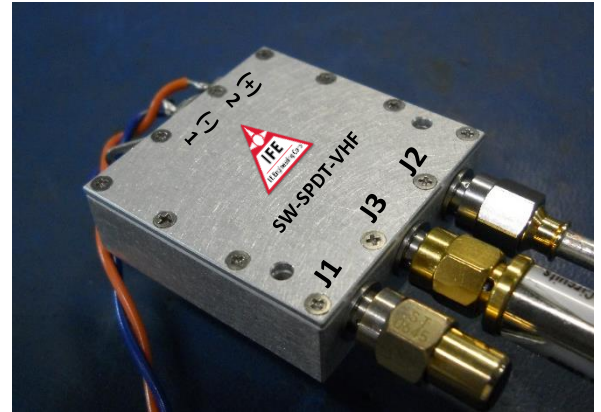
Switching Speed: < 100  $\mu$ s

Max. Power: +20 dBm

#### Wide Voltage Range: +3 to +28 VDC

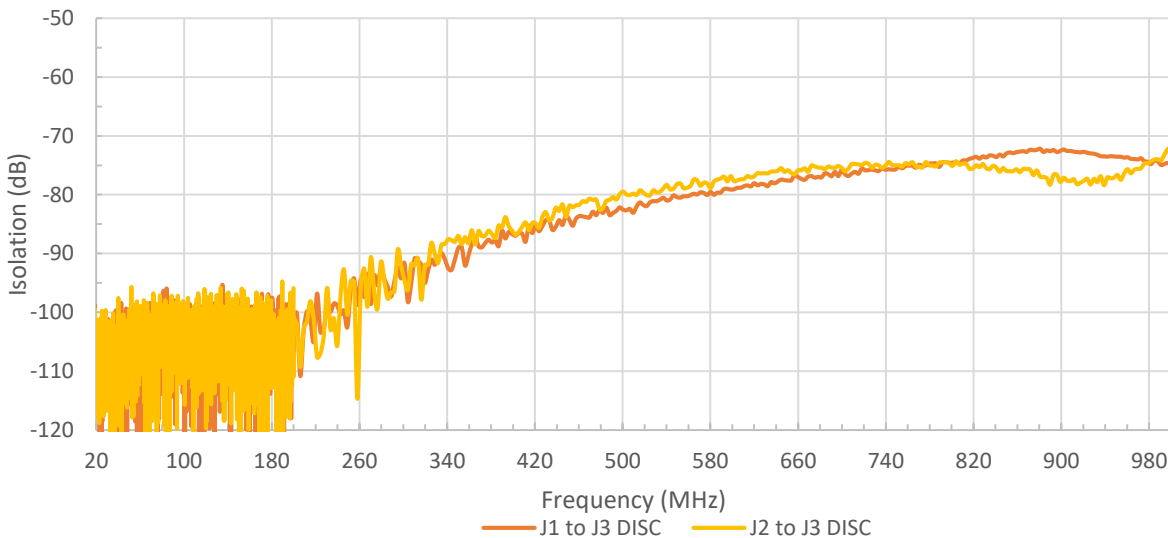
Current: <15 mA at 28 VDC (On)

Connectors: SMA female and solder terminals



SW-SPDT-VHF

### Isolation



Legend  
DISC - Disconnected  
CON - Connected

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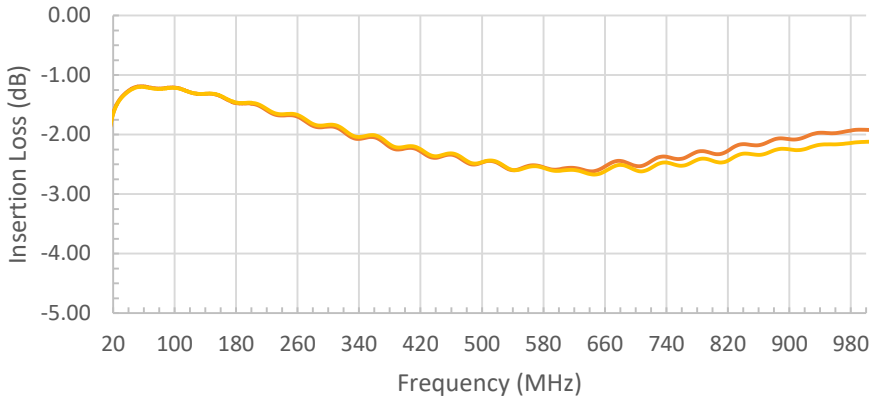


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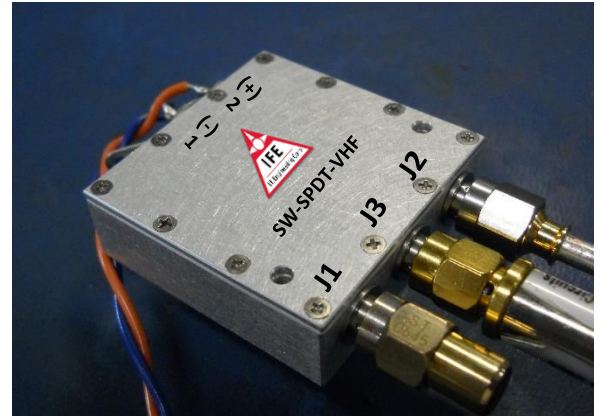


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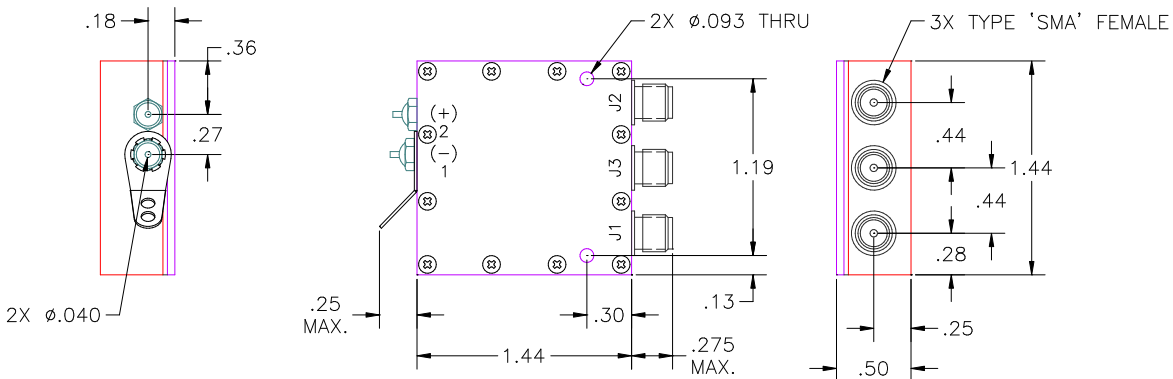
## Insertion Loss



— J1 to J3 CON — J2 to J3 CON



**SW-SPDT-VHF**



|       | LEVEL               | RF CONN. |
|-------|---------------------|----------|
| PIN 1 | HIGH (OPEN CIRCUIT) | J3 TO J1 |
|       | LOW (GROUND)        | J3 TO J2 |
| PIN 2 | +28V                |          |

All dimensions are in inches.

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