

# ATTENUATOR TYPE F (75 $\Omega$ )

**DC - 3 GHz  
2 WATTS**

**api**   
technologies corp.  
> INMET

MODELS: 3F-XX, 3F-XXF, 3F-XXM

## SPECIFICATIONS:

### Electrical:

|                    |                          |               |               |
|--------------------|--------------------------|---------------|---------------|
| Frequency Range    | DC - 3.0 GHz             |               |               |
| Standard dB Values | 3, 6, 10, 15, 20 & 30 dB |               |               |
| Atten. Accuracy    | DC - 1 GHz               | 1 - 2 GHz     | 2 - 3 GHz     |
| 3 & 6 dB           | $\pm 0.3$ dB             | $\pm 0.5$ dB  | $\pm 0.5$ dB  |
| 10 & 15 dB         | $\pm 0.5$ dB             | $\pm 0.75$ dB | $\pm 0.75$ dB |
| 20 & 30 dB         | $\pm 0.5$ dB             | $\pm 1.0$ dB  | $\pm 1.0$ dB  |

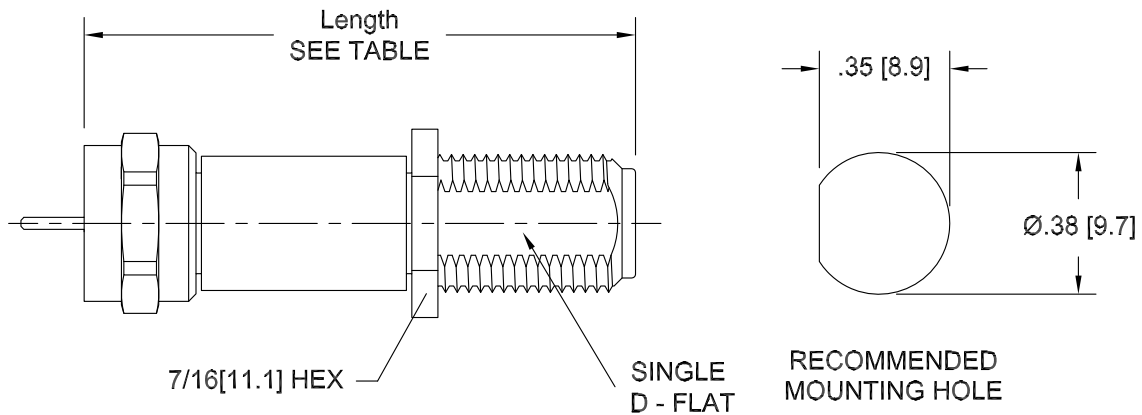
### VSWR

|             |              |
|-------------|--------------|
| DC - 1 GHz  | 1.15:1 Max.  |
| 1 - 2 GHz   | 1.20:1 Max.  |
| 2 - 3 GHz   | 1.25:1 Max.  |
| Input Power | 2 Watts Max. |
| Impedance   | 75 Ohms      |

### Mechanical:

|                   |                                        |
|-------------------|----------------------------------------|
| Type F Connectors | Nickel Plated Brass                    |
| Conductors        | Nickel Plated Brass & Beryllium Copper |

Model Number: **3F-XX**



| Base Model Number | Connector Configuration | Length         |                   |
|-------------------|-------------------------|----------------|-------------------|
|                   |                         | Inches         | Millimeters       |
| 3F-XX             | Male/Female             | 1.47 $\pm$ .05 | [37.34 $\pm$ 1.3] |
| 3F-XXM            | Male/Male               | 1.18 $\pm$ .05 | [30.0 $\pm$ 1.3]  |
| 3F-XXF            | Female/Female           | 1.78 $\pm$ .05 | [45.2 $\pm$ 1.3]  |

## HOW TO ORDER:

Model Number: **3F-XXY**

dB Value

Connector Configuration  
= Male/Female  
F = Fem/Fem  
M = Male/Male

### Ordering Examples:

Model Number: **3F-20**  
DC - 3 GHz; 20 dB; Type F - Male/Fem

Model Number: **3F-6F**  
DC - 3 GHz; 6 dB; Type F - Fem/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.  
Design specifications are subject to change without notice.  
Contact factory for technical specifications before purchasing or use.