

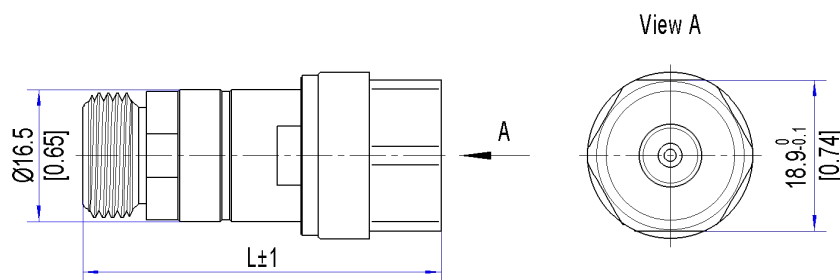
# FSFA2-18-XX-N

Fixed Attenuator, DC-18GHz, 2W,N

| Electrical Specifications      |                            |                                              |         |            |          |           |
|--------------------------------|----------------------------|----------------------------------------------|---------|------------|----------|-----------|
| 1                              | Nominal Impedance          | 50 Ω                                         |         |            |          |           |
| 2                              | Average Power <sup>1</sup> | 2W @ 25°C                                    |         |            |          |           |
| 3                              | Frequency Range(GHz)       | DC-4                                         | DC-8    | DC-12.4    | DC-18    |           |
| 4                              | VSWR                       | ≤1.15                                        | ≤1.25   | ≤1.3       | ≤1.35    |           |
| 5                              | Attenuation (dB)           | 1~60dB                                       |         |            |          |           |
| Environmental Specifications   |                            |                                              |         |            |          |           |
| 1                              | Operating Temperature      | -55°C~+125°C                                 |         |            |          |           |
| Mechanical Specifications      |                            |                                              |         |            |          |           |
| 1                              | Connectors                 | N(m) to N(f)-Standard, Polarity Customizable |         |            |          |           |
| 2                              | Material                   | Copper-Based Ternary Alloy Plating           |         |            |          |           |
| Attenuation, Accuracy & Length |                            |                                              |         |            |          |           |
| Attenuation<br>(dB)            |                            | Accuracy(dB)                                 |         |            |          | L (mm/in) |
|                                |                            | DC-4GHz                                      | DC-8GHz | DC-12.4GHz | DC-18GHz |           |
| 1~10                           |                            | ±0.4                                         | ±0.5    | ±0.6       | ±0.7     | 45/1.77   |
| 20                             |                            | ±0.5                                         | ±0.6    | ±0.7       | ±0.8     |           |
| 30                             |                            | ±0.6                                         | ±0.8    | ±0.8       | ±1.0     |           |
| 40                             |                            | ±0.7                                         | ±0.8    | ±0.9       | ±1.2     | 48/1.89   |
| 50                             |                            | ±0.7                                         | ±0.8    | ±1.0       | ±1.3     |           |
| 60                             |                            | ±0.8                                         | ±0.9    | ±1.1       | ±1.3     |           |

Note 1: Refer to the power derating curve for details.

## Outline Drawing (Units: mm/[inch], Tolerance: $\pm 2\%$ )



## Ordering Information:

Model: **FSFA2-XX-YY-S**

XX = Frequency Range (4GHz, 8GHz, 12.4GHz, 18GHz )

YY = Attenuation Value in dB

Example: 8GHz, 5 dB→**FSFA2-8-5-S**