

\$ Saver Product Line

- ◆ Multi-Band Frequency Range
- ◆ 300 Watt Average Power
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ Rugged, RoHS compliant
- ◆ Low Specified PIM
- ◆ Low Cost, Low Weight Design



Model D4-84KFE



Microlab Model Dx-84 series of 2, 3 and 4 way Power Splitters have been designed to evenly split high power cellular signals with minimal reflection and loss. Joints are moisture sealed with gaskets to meet IP68. The rugged, lightweight design can be easily attached to a wall with the supplied bracket and clip.

The wide frequency range allows use with multiband antennas and leaky cable systems. With few solder joints and an air dielectric, the loss is minimized and reliability is enhanced.

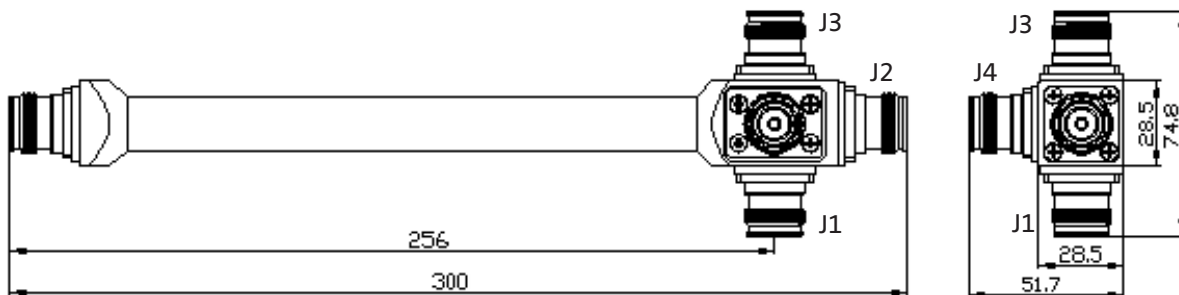
The KFE products are designed for harsh outdoor applications in corrosive salt fog environments.

| | |
|------------------|--|
| Impedance: | 50Ω nominal |
| Power Rating: | 300W avg, 3kW pk. |
| PIM, Passive IM: | -161 dBc (-118 dBm) (2 tones at +43 dBm) |
| Environment: | -35°C to +85°C, IP68 30 day Salt-fog tested RoHS compliant |
| Connectors: | 4-hole flange |
| Finish: | Silver or triplate |
| Housing: | Passivated aluminum |
| Mounting: | 2 clips supplied |

| Model Number | No. of Ways | Frequency Band, MHz | Split Loss | Insertion Loss | Amplitude Balance, typ. | Input VSWR | Weight, nom. lbs. (kg) |
|--------------|-------------|---------------------|------------|----------------|-------------------------|------------|------------------------|
| D2-84KFE | 2 | 575 - 2700 | 3 dB | <0.25 dB | 0.15dB | <1.15:1 | 0.85 (0.38) |
| D3-84KFE | 3 | 575 - 2700 | 4.8 dB | <0.35 dB | 0.20dB | <1.20:1 | 0.97 (0.44) |
| D4-84KFE | 4 | 575 - 2700 | 6 dB | <0.45 dB | 0.25dB | <1.25:1 | 1.08 (0.49) |

¹4.3-10 (f) connector - 4 hole flange, tested to 8 ft-lbs torque

2, 3 & 4 way Outlines



Dimensions in mm

Note
 D2-84FE 2 way Splitter delete J2 & J4
 D3-84FE 3 way Splitter delete J4
 D4-84FE 4 way Splitter as drawn.

Note: Specifications are subject to change without prior notification.

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