

- ◆ 575-2700 MHz Standard Bandwidth
- ◆ 300 Watt Average Power
- ◆ Guaranteed Low PIM
- ◆ Salt Fog Rated
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ Rugged, RoHS compliant



Model D4-84KFE



Microlab Dx-84KFE 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 rating. The rugged, lightweight design can be easily attached to a wall with the supplied bracket and clip.

The standard 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.

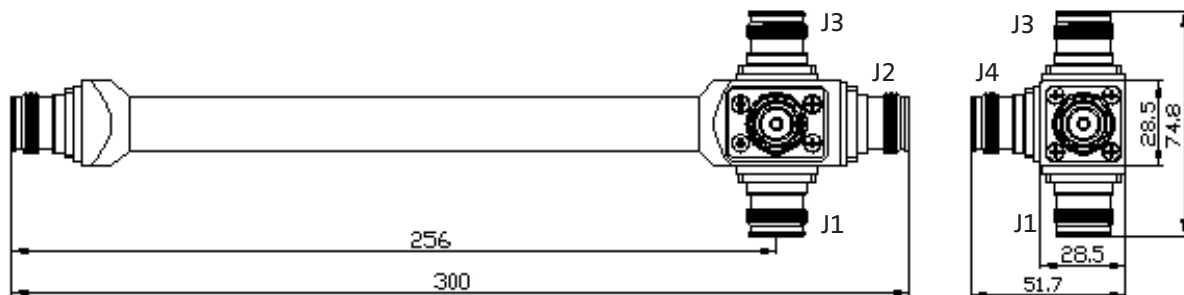
The KFE products are designed for harsh outdoor applications in corrosive salt fog environments.

Frequency:	575-2700 MHz
Impedance:	50Ω nominal
Power Rating:	300W avg, 3kW pk.
PIM:	-161 dBc (-118 dBm) min. (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 4.3-10 (f) ¹	No. of Ways	Split Loss	Dissipative Loss typ.	Dissipative Loss max.	Amplitude Balance, typ.	Input VSWR	Weight, nom. lbs. (kg)
D2-84KFE	2	3 dB	0.1 dB	0.25 dB	0.15dB	<1.15:1	0.85 (0.38)
D3-84KFE	3	4.8 dB	0.1 dB	0.35 dB	0.20dB	<1.20:1	0.97 (0.44)
D4-84KFE	4	6 dB	0.1 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

Mechanical Outline



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.