

- ◆ Multiple Attenuation Values for design flexibility
- ◆ Low PIM
- ◆ 25W - 100W Average Power
- ◆ IP67 Rated
- ◆ RoHS Compliant



50W Model Shown

Microlab FX series fixed coaxial attenuators are designed for Ultra wideband (617 to 5925 MHz) high power wireless applications where guaranteed low PIM performance is critical. All models are unidirectional with a conventional male input feeding to a female output on the opposite face of the attenuators with no through DC path.

The design is exceptionally rugged, and negligibly affected by changes in ambient temperature.

Frequency:	617 - 5925 MHz
Impedance:	50Ω nom.
PIM:	-161 dBc (-118 dBm) min. (Test with 2x tones of +43dBm at input)
Reverse Power:	2 W max.
Peak Power:	3 kW
Environment:	-40° to +65°C, IP67
Finish:	Black Anodized Aluminum
Connectors:	Triplate
Mounting:	Brackets provided
Weight:	
25W:	3.10 lbs (1.41 kg)
50W:	3.50 lbs (1.59 kg)
100W:	4.20 lbs (1.90 kg)

Model Number			In-Out	Attenuation Value	Accuracy	VSWR (In/Out)	
25W	50W	100W*				617-2700 MHz	2700-5925 MHz
FX-625-06E	FX-650-06E	FX-6100-06E	m-f	6dB	± 1.2dB	<1.25:1 / <1.30:1	
FX-625-10E	FX-650-10E	FX-6100-10E	m-f	10dB	± 1.3dB	<1.25:1 / <1.30:1	
FX-625-15E	FX-650-15E	FX-6100-15E	m-f	15dB	± 1.5dB	<1.30:1 / <1.30:1	<1.25:1 / <1.30:1
FX-625-20E	FX-650-20E	FX-6100-20E	m-f	20dB	± 1.5dB	<1.30:1 / <1.30:1	<1.25:1 / <1.30:1
FX-625-30E	FX-650-30E	FX-6100-30E	m-f	30dB	± 2.0dB	<1.30:1 / <1.30:1	<1.25:1 / <1.30:1

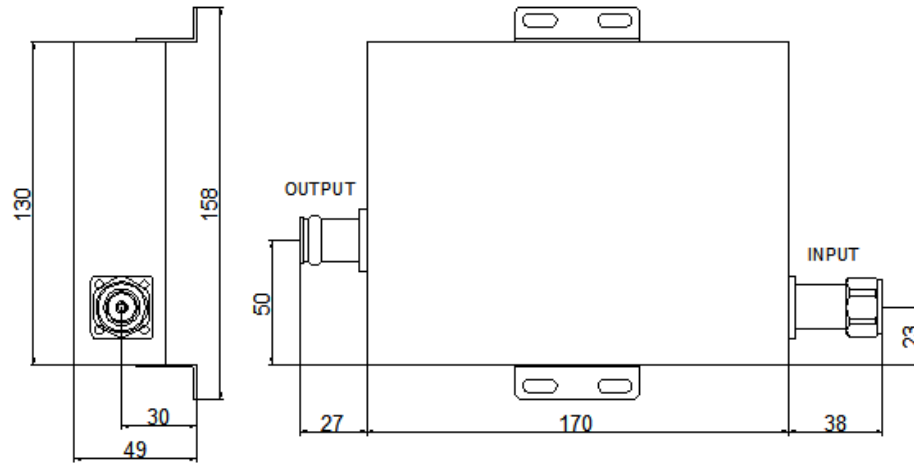
*Derate (100W version only) by 1W/°C above 50°C

Note: Specifications are subject to change without prior notification.

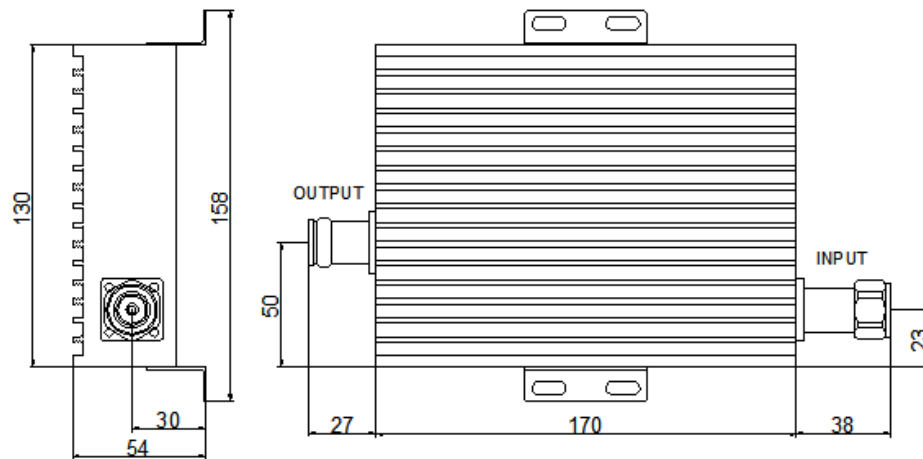
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FX-625-xxE Outline

All dimensions in mm



FX-650-xxE Outline



FX-6100-xxE Outline

