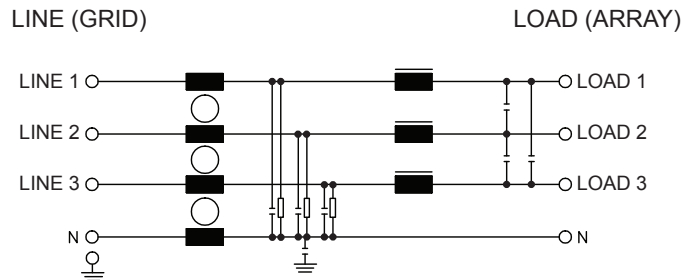


# Radius Power **Line Filter**



In commercial applications, the **LCF-250-PC Line Filter**, manufactured by Radius Power, separates power line communication domains across the Enphase Microinverter™ installation when multiple Envoys are located on a single utility transformer or when site loads generate electrical noise that disrupt communications. The integrated phase coupler allows microinverter power line communication to bridge phases.

## SCHEMATIC



Connect both the Enphase Envoy™ and Enphase Microinverters on the array or load side of the filter, and wire the utility feed to the line side of the filter.

**MODEL NUMBER**

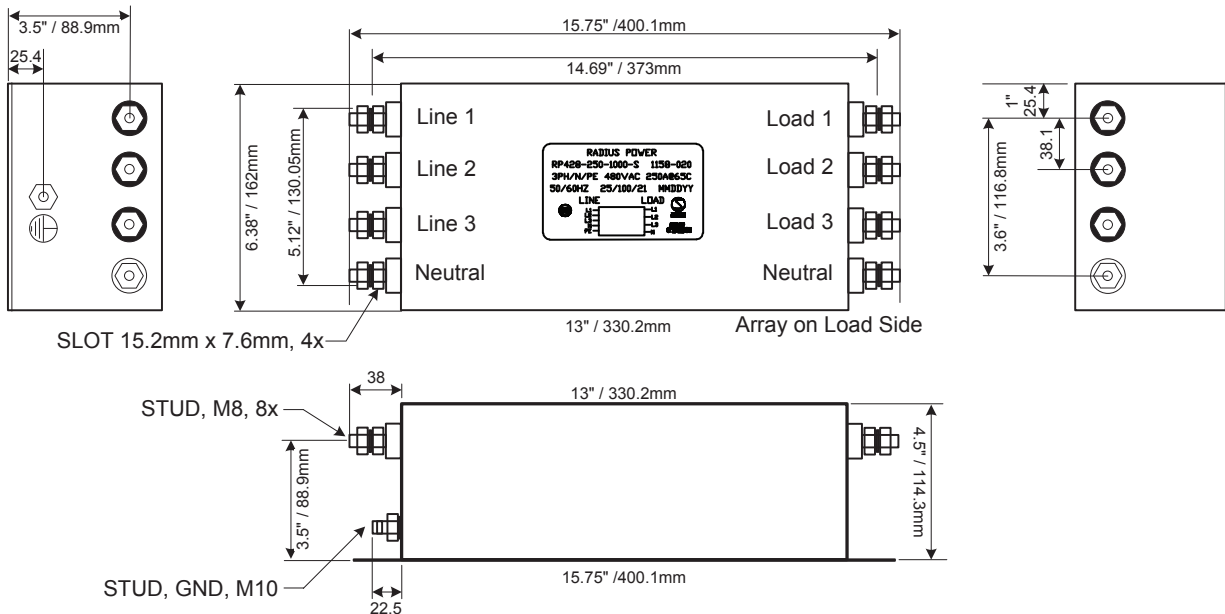
LCF-250-PC Three-phase line communication filter, 250A, with PLC coupling

**SPECIFICATIONS**

Maximum current per line	250 A (temperature adjusted to 65° C)
Maximum voltage	480 VAC + 10%
Frequency	50/60 Hz
Power dissipation	75 W max (current dependent)
Ambient temperature range	-40° to 65° C
Weight	13.6 kg
Dimensions	400.1 x 162 x 114.3 mm (15.75" x 6.36" x 4.5")
Phase coupler	Integrated (on load side)
RoHS / Safety	Yes / cURus, EN60939
Terminal style / size	Stud / M10
Typical leakage current	<10mA (480 V/60 Hz or 50Hz)

**INSERTION LOSS, dB**

Frequency (MHZ)	0.1	0.6	1.0	10	30
Common mode, dB	28	70	48	22	14
Differential mode, dB	56	>80	74	50	28



To learn more about Enphase Microinverter technology, visit [enphase.com](http://enphase.com)

