

## RF Line Matcher

### Electrical Specifications

Frequency Band	108-300 MHz
Insertion Loss (Min.)	0.15 dB
Impedance (Nom.)	50 $\Omega$
Input Power (Max.)	250 W
RF Connectors (I/O)	N Male / N Female

### Mechanical Specifications

Finish	Gray Paint
Overall Size (HxWxD)	1.2" x 2.8" x 1" (30 x 71 x 25 mm)
Net Weight	0.2 lbs (0.1 kg)

### Environmental Specifications

Operating Temp. Range	-22 to 140 °F (-30 to +60 °C)
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EMR impedance matcher (Z-Matcher) is a device which acts like a variable length line between system elements. Maximum power transfer occurs when the line impedance matches the source and the load impedance frequencies. A Z-Matcher attached to a fixed length of cable electrically stretches that fixed length of line allowing for optimal power transfer over a very wide range of frequencies. The Z-matcher will reduce the number of cables of varying length which otherwise have to be transported or reduce labor time by not having to make additional cables of the correct length once on the jobsite.

### Product Features

- Optimizes power transfer between system elements.