

Low PIM Resistive Fixed Attenuator



RFA-43MF100-06-xxL

Low PIM Resistive Fixed Attenuator, 43-10MF, 6G, 100W

RFA-43MF100-06-xxL is a chip based low intermodulation attenuator with a frequency range of up to 6G, low intermodulation, and excellent return loss performance. Power up to 100w. Aluminum alloy heat sink, 100% testing for IM3.



Features

- Low Passive Intermodulation design (PIM)
- Smaller & lighter than coupler based designs
- 100 % tested for IM3
- Designed for mobile infrastructure applications
- RoHS Compliant

Specifications:

Item	
Frequency	6GHz
Impedance	50Ω
VSWR	1.3
Average Power	100 watts, bidirectional at 25°C ambient, Derated to 5 Watts at 125°C
Operating Temperature	-55-125°C

Product number

*IM3 levels tested with two input signals @ 869 MHz and 891 MHz with average carrier power levels of +43 dBm each.

Attenuator (dB)	Product number	Forward IM3 (Typical)	Reverse IM3 (Maximum)
3	RFA-43MF100-06-03L	-130dBc	-125dBc
6	RFA-43MF100-06-06L	-140dbc	-125dBc
10	RFA-43MF100-06-10L	-140dbc	-130dBc
20	RFA-43MF100-06-20L	-150dbc	-130dBc
30	RFA-43MF100-06-30L	-155dbc	-130dBc
40	RFA-43MF100-06-40L	-155dbc	-130dBc

Mechanical Outline

