



- Power rating: 100 W
- Excellent PIM performance
- Optimized for T&M applications
- Frequency 380/698 MHz to 2800/ 3800 MHz
- Connector DIN 7/16 (f)
- Forced air cooling option
- Carry handle

PLOAD100 series low PIM loads have been designed to meet most demanding test expectations. These loads are made to exceptional quality standards, as it is needed in manufacturing, R&D and QA. PLOAD100 loads simply offer world class PIM performance. These low PIM T&M loads are rated for 100W of RF power, and come with a frequency range from 380/698 to 2800/3800 MHz, depending on the version. They have a carrying handle and are equipped with a robust DIN7/16 (f) connector.

RF loads work by converting RF power into heat, which is then dissipated into the air by convection. This causes the operating temperature of loads to increase over time - which is absolute normal. Our forced air cooled loads, (PLOAD100-F, PLAOD100L-F, PLOAD100L-38-F) have built-in fans to keep things cool. This is especially desired when loads are used over long periods at the production workbench.

Specifications

Parameter	
Power rating standard versions forced air cooling (-F types)	150 W: 3 min / 100 W: 30 min / 50 W : continuously 150 W: 3 min / 100 W: continuously
Frequency PLOAD100 / PLOAD100-F PLOAD100L / PLOAD100L-F PLOAD100-38 / PLOAD100-38-F PLAOD100L-38 / PLOAD100L-38-F	698 to 2800 MHz 380 to 2800 MHz 698 to 3800 MHz 380 to 3800 MHz
PIM rating PLOAD100 / PLOAD100-F PLOAD100L / PLOAD100L-F PLOAD100-38 / PLOAD100-38-F PLAOD100L-38 / PLOAD100L-38-F	< -165 dBc (@ 2x43dBm) < -163 dBc (@ 2x43 dBm) < -165 dBc (@ 2x43dBm) < -163 dBc (@ 2x43 dBm)
Connector	DIN 7/16 (f)
Power supply for forced air cooling types only (-F types)	100 - 240VAC / 12VDC 2A

RF & Microwave Technology

AWT-Global provides advanced telecommunication technology products and analyzers for a variety of RF and Microwave applications.

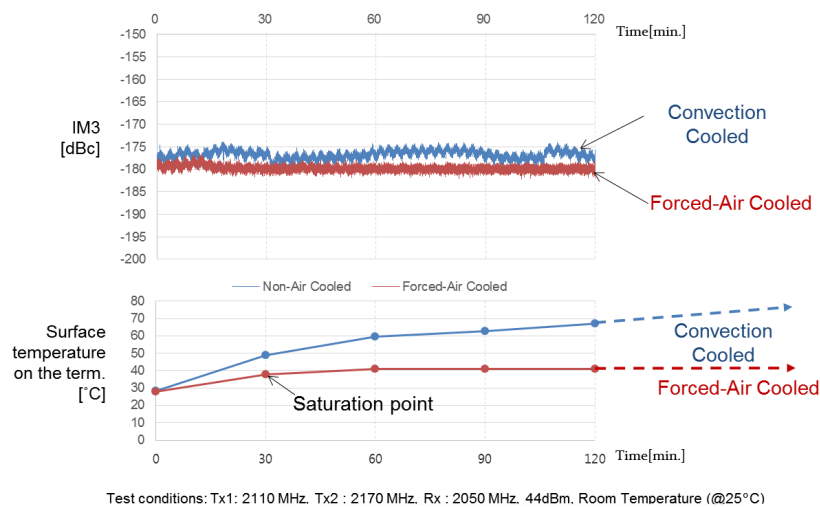
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PLOAD100-F and PLOAD100L-F with forced air cooling



Low PIM Load Comparison: Forced Air Cooled vs Convection Cooled



Order Information

Type	Description
PLOAD100	Low PIM load 100W, 698 to 2800 MHz
PLOAD100L	Low PIM load 100W, 380 to 2800 MHz
PLOAD100-38	Low PIM load 100W, 698 to 3800 MHz
PLOAD100L-38	Low PIM load 100W, 380 to 3800 MHz
PLOAD100-F	Low PIM load 100W, 698 to 2800 MHz, forced air cooled, 12V power supply
PLOAD100L-F	Low PIM load 100W, 380 to 2800 MHz, forced air cooled, 12V power supply
PLOAD100-38-F	Low PIM load 100W, 698 to 3800 MHz, forced air cooled, 12V power supply
PLOAD100L-38-F	Low PIM load 100W, 380 to 3800 MHz, forced air cooled, 12V power supply
SER-CERT-PLOAD	Calibration Certificate
ADA-DMDF	Connector Saver, DIN 7/16(m) to DIN 7/16(f)

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