



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

All variations of AWT's PLOAD100 series low PIM T&M loads have been designed to meet most demanding test expectations. These T&M loads are made to exceptional quality standards and are designed for best performance, as it is clearly 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 MHz. They have a carrying handle and are equipped with a robust DIN7/16 (f) connector.

All RF loads work by converting RF power into heat, which again is then dissipated into the air by convection. This causes the operating temperature of the loads to increase over time - which is absolutely normal. Our forced air cooled loads, (PLOAD100-F and PLAOD100L-F) use built-in fans to keep things temperate. This is especially desired when loads are used at the workbench with people handling them.

RF & Microwave Technology

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

Specifications

Parameter	
Power rating PLOAD100 / PLOAD100L PLOAD100F / PLAOD100F-L	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	698 to 2800 MHz 380 to 2800 MHz
PIM rating PLOAD100 / PLOAD100-F PLOAD100L / PLOAD100L-F	< -165 dBc (@ 2x43dBm) < -163 dBc (@ 2x43 dBm)
Connector	DIN 7/16 (f)
Power supply PLOAD100-F & PLOAD100L-F only	100 - 240VAC / 12VDC 2A
Country of origin	S. Korea

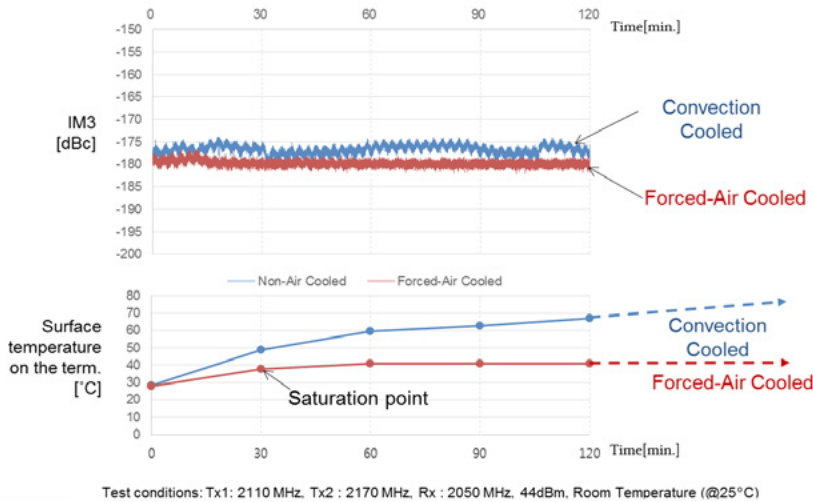
AWT Global LLC
 46 Countryside Apts.
 Bldg. 6, Ste. 46
 Hackettstown
 New Jersey 07840, USA
 p: +1 (973) 321-3423
 e: sales@awt-global.com
 w: www.awt-global.com

Specifications subject to change without further notification

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-F	Low PIM load 100W, 698 to 2800 MHz, forced air cooled, includes 12V power supply
PLOAD100L-F	Low PIM load 100W, 380 to 2800 MHz, forced air cooled, includes 12V power supply
SER-CERT-PLOAD	Measurement Certificate
ADA-DMDF-12	Connector Saver. Low PIM Adapter DIN 7/16(m/f), protects connectors. Set of 12
LIC308-DMDM-1M	Low PIM Test Cable, 1m (3feet), DIN 7/16(m)-DIN7/16(m), Frequency: DC to 3 GHz, PIM < -165dBc, Attenuation >0.25dB/m (>0.076dB/ft), Power rating: 300W
LIC308-DMDM-3M	Low PIM Test Cable, 3m (10feet), DIN 7/16(m)-DIN7/16(m), Frequency: DC to 3 GHz, PIM < -165dBc, Attenuation >0.25dB/m (>0.076dB/ft), Power rating: 300W

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