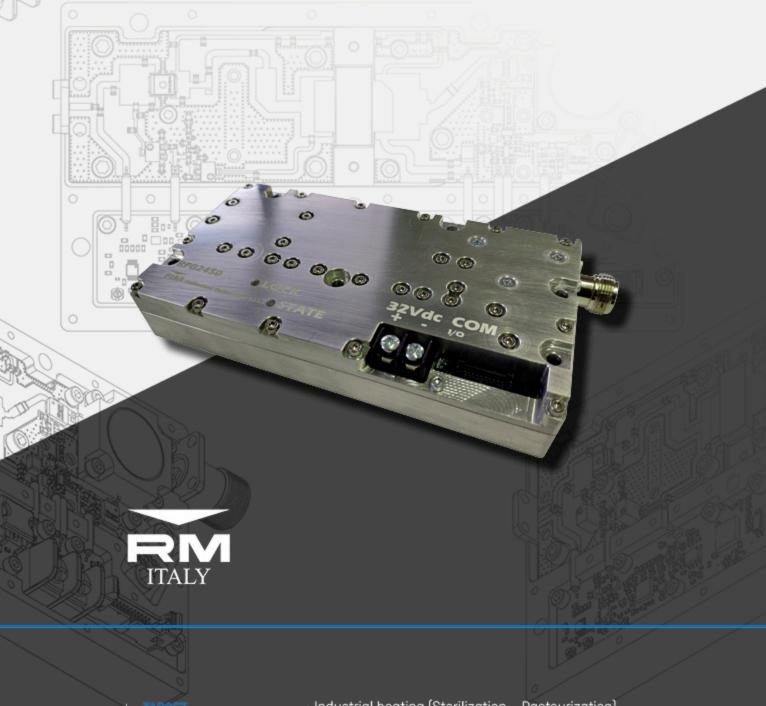
DIGITAL CONTROLLED

RF generator 2.45GHz 250Wcw



- · Industrial heating (Sterilization Pasteurization)
- · Moisture (levelling process)
- · Heat sealing
- · Microwave ablation
- · Renal denervation
- · Chemical heating
- · Medical aesthetic treatments

HIGHLIGHTS

OUTPUT POWER: 250Wcw

FREQUENCY: 2450MHz +/- 10kHz

(from 2400MHz to 2500MHz step 100kHz)

TECHNOLOGY: LDMOS

OVERALL EFFICIENCY: 50%

POWER SUPPLY: 32Vdc / 5Vdc

PROTECTION: VSWR all magnitude all phase angles

WORKING TEMPERATURE: certified to 55°C

(Max. Limit 65°C)

DIMENSIONS: 170mm x 82mm x 25.5mm (LxWxD)

including N connector WEIGHT: Approx. 730g

OUTPUT CONNECTOR: Type N female - 50 Ohm

CONTROL: Entirely controlled by MCU; All parameters are available in analogue

and digital format

TECHNICAL CHARACTERISTICS

Maximum current at 250Wcw (32V): Approx. 17A 0UTPUT POWER RANGE: From 10 to 250Wcw with 32 digital steps (logarithmic respose)

OUTPUT POWER CONTROL: Digital (via USB) - Analogue (via voltage control)

AVAILABLE SIGNALS - (ANALOGUE AND DIGITAL):

- · Output forward power
- · Output reflected power
- Internal temperatures (MCU and RF Power device)

PROTECTION: Load VSWR, Temperature, emergency

shutdown control

OPTIONAL MODULATION TYPES: FM, Pulsed

OPTIONAL RF INPUT: Via SMA female connector

(For other modulation types, on request)

OPTIONAL GRAPHICAL USER INTERFACE (GUI): On request

CONTROL PORT CONNECTOR: 20 pole 1.27mm pitch with

mechanical lock

32v SUPPLY INPUT CONNECTOR: Screw terminal block

NOTE: This module must be mounted to an external

heat sink

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