DIGITAL CONTROLLED
RF generator 40.68MHz 18Wcw

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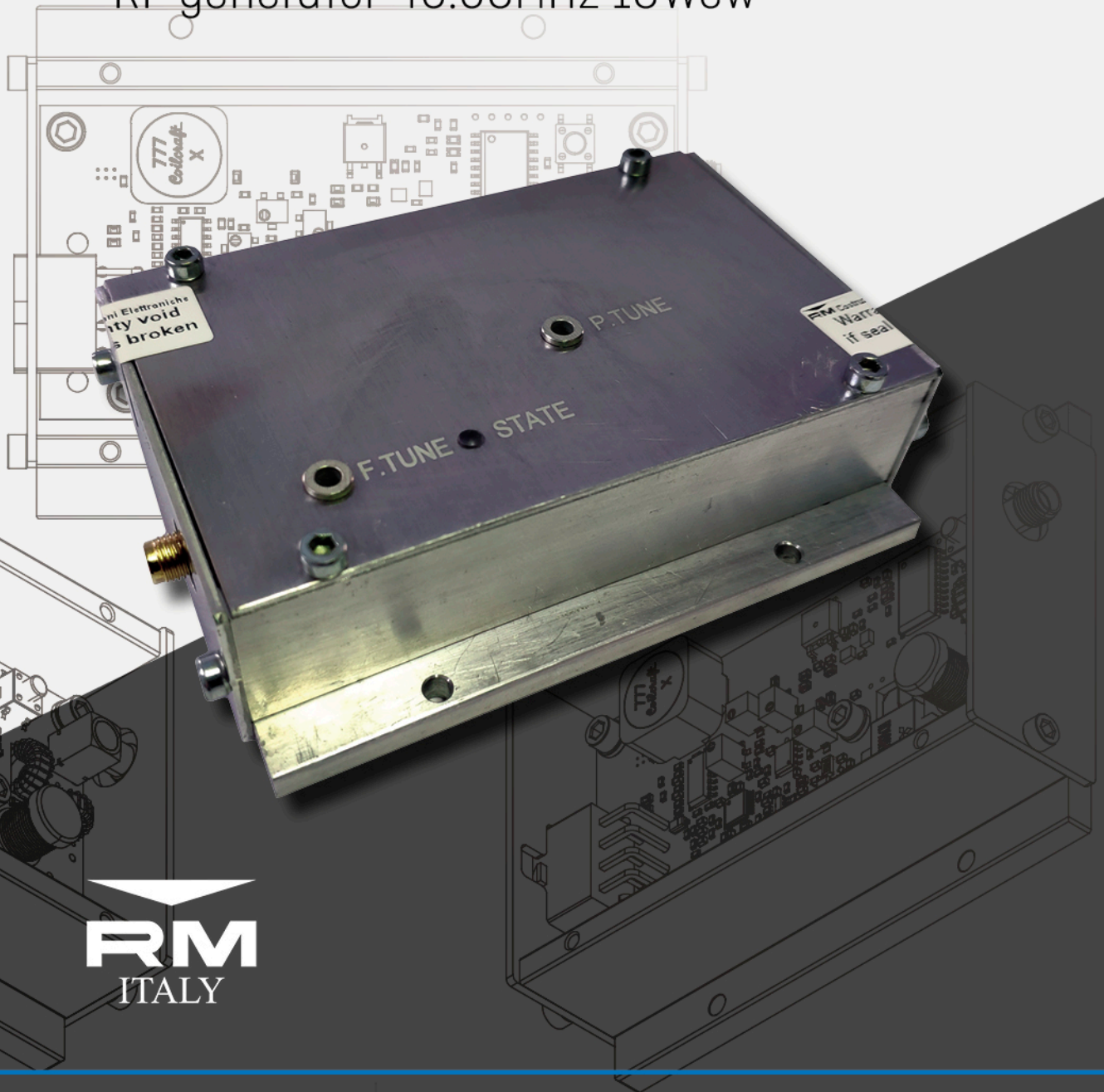
TARGET APPLICATIONS

- Driving an Acousto-Optic Q-Switch used to reduce the "Q" of a CW laser to output an intense pulse of light.

- Driving an Acousto-Optic Modulator to pick pulses out of an optical pulse train.

MAXIMUM OUTPUT POWER: 20Wcw

FREQUENCY: 40.68MHz
(from 40.66MHz to 40.70MHz)

TECHNOLOGY: Silicon MOSFET

OVERALL EFFICIENCY: 50%

POWER SUPPLY: 15Vdc to 25Vdc

PROTECTION: VSWR and Over temperature

WORKING TEMPERATURE: certified to 50°C
(Max. Limit 55°C)

DIMENSIONS: 112mm x 80mm x 31mm (LxWxD)
including SMA connector

WEIGHT: Approx. 275g

OUTPUT CONNECTOR: Type SMA female - 50 Ohm

CONTROL: Pulse Mode (Digital input)
Amplitude Mode (Analogue Input)

TECHNICAL
CHARACTERISTICS:

Maximum current at 18Wcw (16V): Approx. 3A

OUTPUT POWER RANGE: From 1 to 20Wcw

PROTECTION: Load VSWR, Temperature

FREQUENCY TUNE: Device automatically recognises
the optimum matched frequency for the load

CONTROL PORT CONNECTOR: 8 Pole Type MiniFIT

NOTE: This module must be mounted to an
external heat sink