

ISM



TDE300-MW-G

Characteristics

TDE300-MW-G is a medium-power RF generator specifically designed for ISM applications in the frequency band 2400 - 2500 MHz.

TDE300-MW-G is based on brand-new solid-state devices which ensure the highest power level on the market. The amplifier works in B class.

MAIN FEATURES

- High Efficiency
- Extreme Ruggedness
- LCD display
- Self-protected against:
 - i. Abnormal temperature
 - ii. Abnormal reflected power
 - iii. Abnormal current absorption
- Telemetry includes:
 - i. Forward and Reflected RF power
 - ii. DC Voltage
 - iii. Temperature
 - iv. Alarm Status

Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power Out	250	300		W	
Frequency Range	2400		2500	MHz	
AC Voltage Supply	180	230	264	V _{ac}	
Current Absorption @ 300W @ 230V _{ac}			5	A	
VSWR Handling		∞			(*)

Notes

AC and RF Connectors



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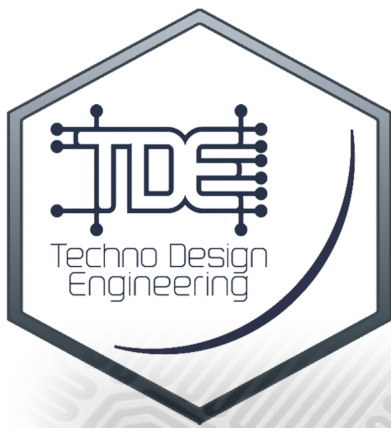
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(*) TDE300-MW-G is self-protected by internal circulator which allows to manage VSWR = ∞

- **RF Out:** DIN 7/16 female
- **AC In:** C14 power inlet with switch

General Specifications

- **Dimensions (LxWxH):** 430x590x177 mm
- **Weight:** 15 Kg
- **Ambient Temperature:** 0 ~ +45 °C
- **Storage Temperature:** -20 ~ +85 °C
- **Relative Humidity:** up to 95% (not condensing)
- **Operating Altitude:** up to 2000 meters above sea level
- **Cooling:** Forced air with integral blowers (air intake from front, air exhaust at rear)

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