

ISM

TDE100HF

Characteristics

TDE100HF is a power amplifier which works in AB class and it is able to cover the band 1.5 – 30 MHz.

TDE100HF is based on the most rugged devices on the market.

MAIN FEATURES

- High Gain
- Extreme Ruggedness



Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
$P_{out@1dB_c}$		100		W	(*)
Frequency Range	1.5		30	MHz	
$G_p@100W\ CW$	21			dB	
Input Return Loss	-10			dB	
Voltage Supply		48		V_{dc}	
Bias Current		1.0		A	
Even Harmonics Content	-20			dB_c	
Odd Harmonics Content	-15			dB_c	
Efficiency	30			%	
Current absorption @100W @48V _{dc}		6.0		A	



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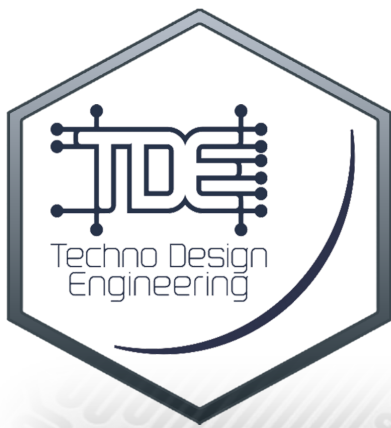
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Notes

(*) The specified output power is CW

RF and DC connectors

- **RF Input:** SMA Female
- **RF Output:** SMA Female
- **DC Input:** M3 Threated Spacer
- **Temp. Monitor (10mV/°C)**
M3 Threated Spacer
- **Current Monitor (100mV/A)**
M3 Threated Spacer

Mechanical Specifications

Dimensions (LxWxH): 145 x 70 x 50 mm

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