

ISM

TDE500UCA

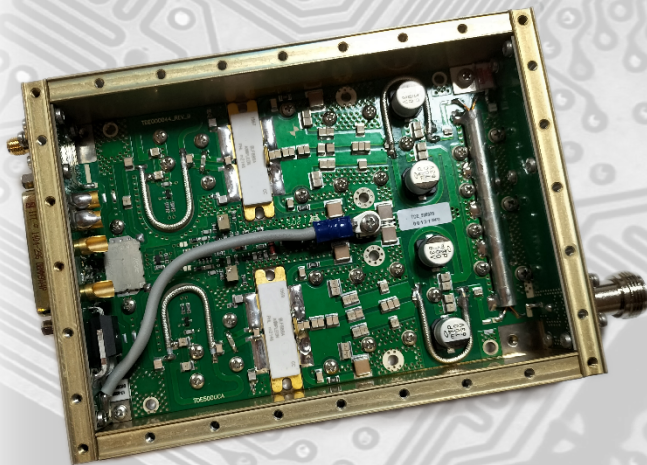
Characteristics

TDE500UCA is a broadband power amplifier which works in AB class and is able to cover the frequency band 500 – 1000 MHz.

TDE500UCA is based on BLF888A, one of the most rugged devices on the market.

MAIN FEATURES

- High Linearity
- High Ruggedness



Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power		500		W	(*)
Frequency Range	500		1000	MHz	
Power Gain @ 500W CW	14.5			dB	
Input Return Loss	-10	-15		dB	
Voltage Supply		50		V _{dc}	
Bias Current		1.0		A	
2 nd Harmonic Level	-30			dB _c	
3 rd Harmonic Level	-35			dB _c	
Efficiency	30	40		%	

Notes

Mechanical Specifications



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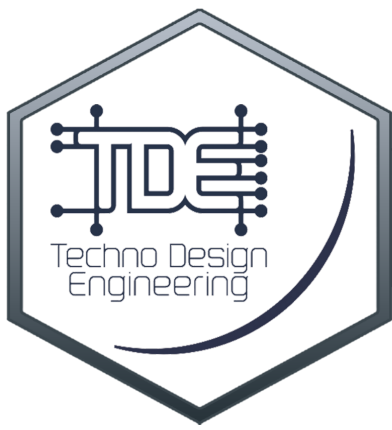
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(*) The specified output power is CW

(**) The mating connector is:

ITT Cannon

DBMM9W4S+4 x DM 53744-21

(***) **Current Monitor:**

$A=(V@pin3 -0.63)/0.06$

(****) **Temperature Monitor:**

$T(^{\circ}C)=V@pin4/0.01$

- Dimensions (LxWxH): 161x116x31.5 mm
- Weight: 2.5 Kg
- RF Input Connector: SMA female
- RF Out Connector: N female
- DC In connector: ITT Cannon DBMM9W4P + 4 x DM53745-28 (**)

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