

Broadcasting



TDE300UHF

Characteristics

TDE300UHF

is a broadband UHF medium power amplifier, based on BLF881 LDMOS device in a SOT467C ceramic package.

TDE300UHF

works in AB class and it is able to cover the whole frequency band 470-862 MHz.

MAIN FEATURES

- High Ruggedness
- High Gain
- High Efficiency
- High Linearity

DVB-T/T2 Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	50	60		W_{rms}	
Frequency Range	470		862	MHz	
Gain	18	20		dB	
Input Return Loss		-18		dB	
Voltage Supply		48	50	V_{dc}	
Bias Current		1.2		A	
Shoulders Level	-30			dB_c	(*)
Efficiency	20			%	(**)



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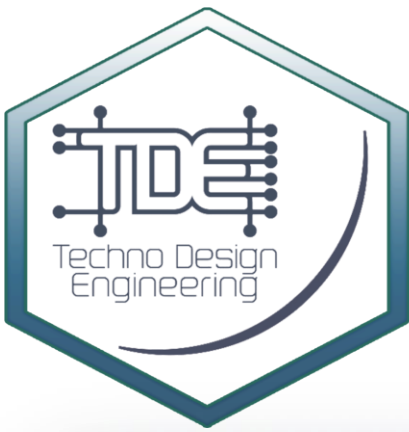
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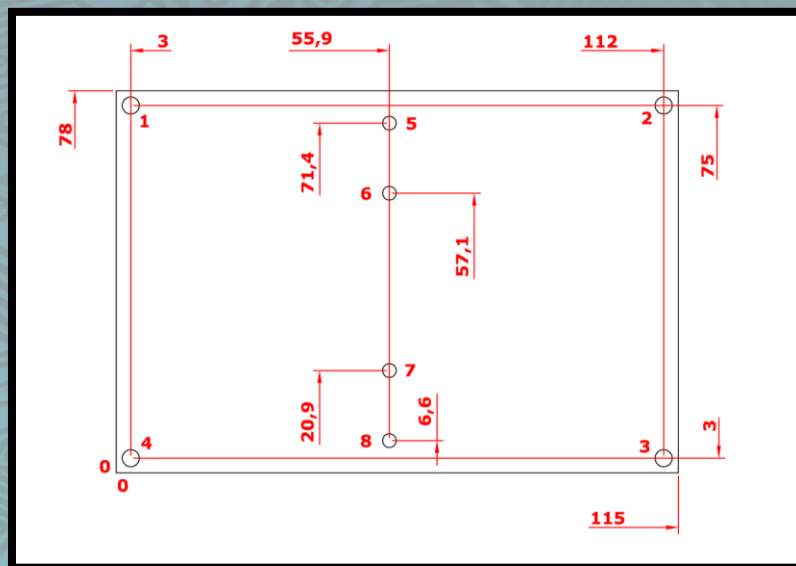
Notes

- (*) The shoulder level is referred to typical power out
- (**) The efficiency is referred to typical power out

Screws Type

- **Screws point 1-2-3-4**
M3 socket head cap screws
+ 4 split lock washers WZ \varnothing 3.5
+ 4 flat washers WZ \varnothing 3.5
- **Screws point 5-6-7-8**
M2.5 socket head cap screws
+ 4 split lock washers WZ \varnothing 2.5
+ 4 flat washers WZ \varnothing 2.5

Mechanical Specifications



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