

Broadcasting



TDE1K2VHF

Characteristics

TDE1K2VHF

is a broadband VHF high power amplifier based on BLF188XR LDMOS device in a SOT539A ceramic package.

TDE1K2VHF

works in AB class and it is able to cover the whole frequency band 170-240 MHz.

MAIN FEATURES

- High Gain
- High Ruggedness
- High Efficiency

DVB-T/T2 Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	200	250		W_{rms}	
Frequency Range	170		240	MHz	
Gain	20	21		dB	
Input Return Loss		-18		dB	
Voltage Supply		40		V_{dc}	
Bias Current		5.0		A	
Shoulders Level	-30			dB_c	(*)
Efficiency	25			%	(**)



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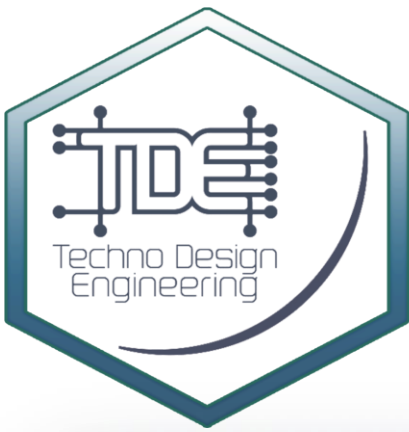
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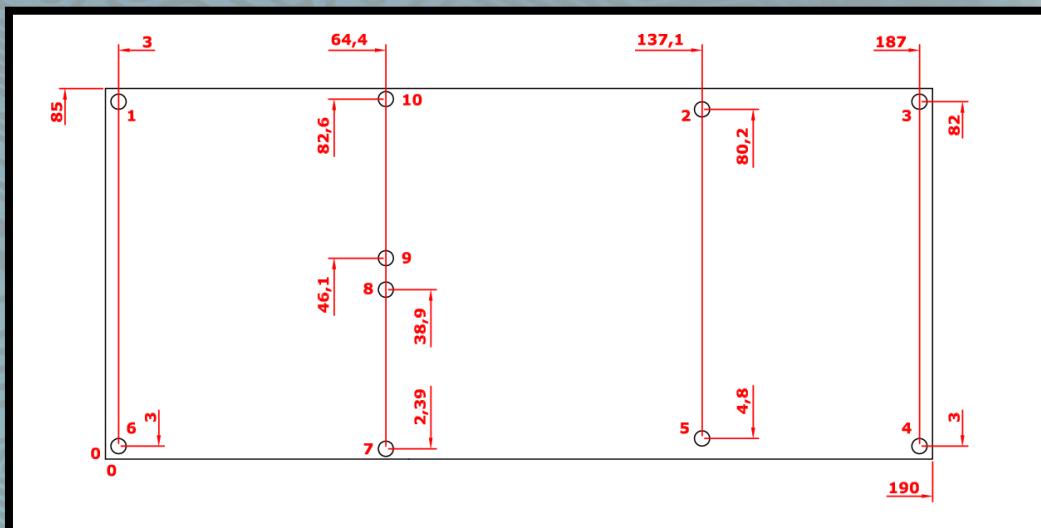
Notes

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

Screws Type

- **Screws point 1-2-3-4-5-6-7-8-9-10**
M3 socket head cap screws
+ 10 split lock washers WZ \varnothing 3.5
+ 10 flat washers WZ \varnothing 3.5

Mechanical Specifications



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