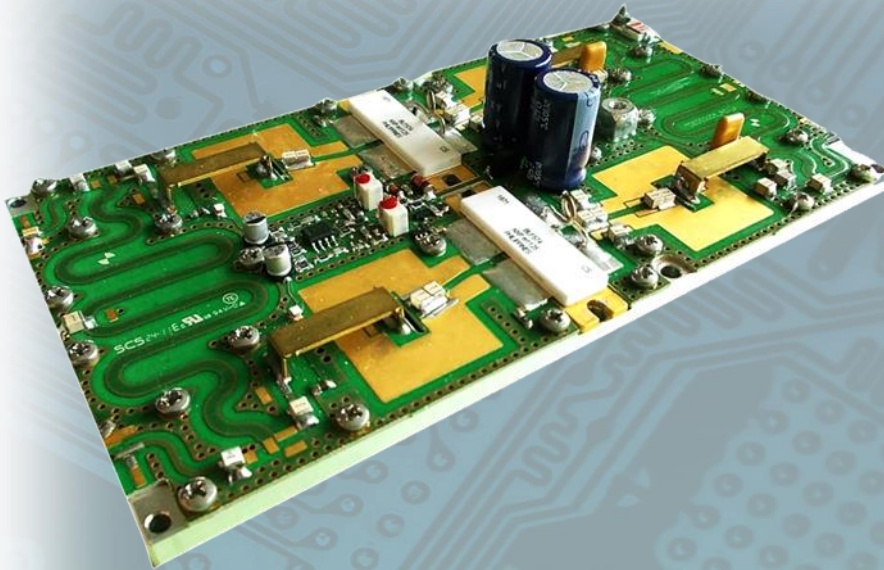


Broadcasting



TDE500VHF

Characteristics

TDE500VHF

is a broadband VHF high power amplifier based on BLF574 LDMOS device in a SOT539A ceramic package.

TDE500VHF

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

MAIN FEATURES

- High Gain
- High Efficiency

DVB-T/T2 Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	150	180		W_{rms}	
Frequency Range	170		240	MHz	
Gain	23	24		dB	
Input Return Loss		-18		dB	
Voltage Supply		48	50	V_{dc}	
Bias Current		3.0		A	
Shoulders Level	-30			dB_c	(*)
Efficiency	30			%	(**)



tde@tdeitaly.com



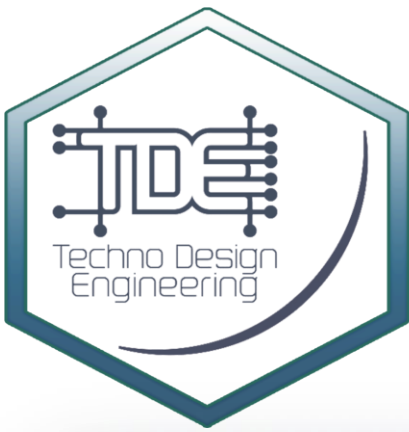
www.tdeitaly.com



(+39) 0765484028



TDE - Techno Design Engineering
Via Tiberina, 49
00065 Fiano Romano (RM), Italy



Broadcasting

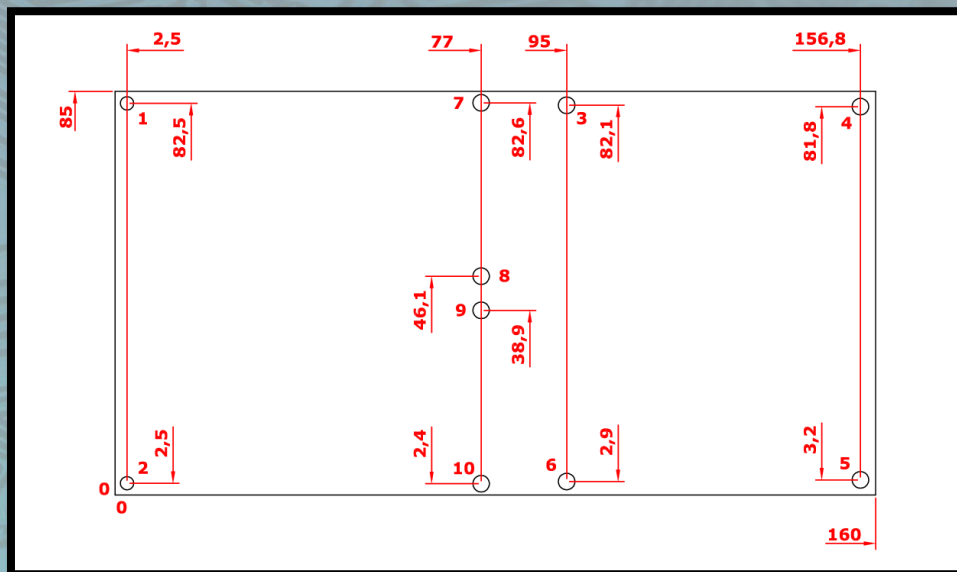
Notes

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

Screws Type

- **Screws point 1-2-**
M2.5 socket head cap screws
+ 2 split lock washers WZ \varnothing 2.5
+ 2 flat washers WZ \varnothing 2.5
- **Screws 3-4-5-6-7-8-9-10**
M3 socket head cap screws
+ 8 split lock washers WZ \varnothing 3.5
+ 8 flat washers WZ \varnothing 3.5

Mechanical Specifications



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tde@tdeitaly.com



www.tdeitaly.com



(+39) 0765484028



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