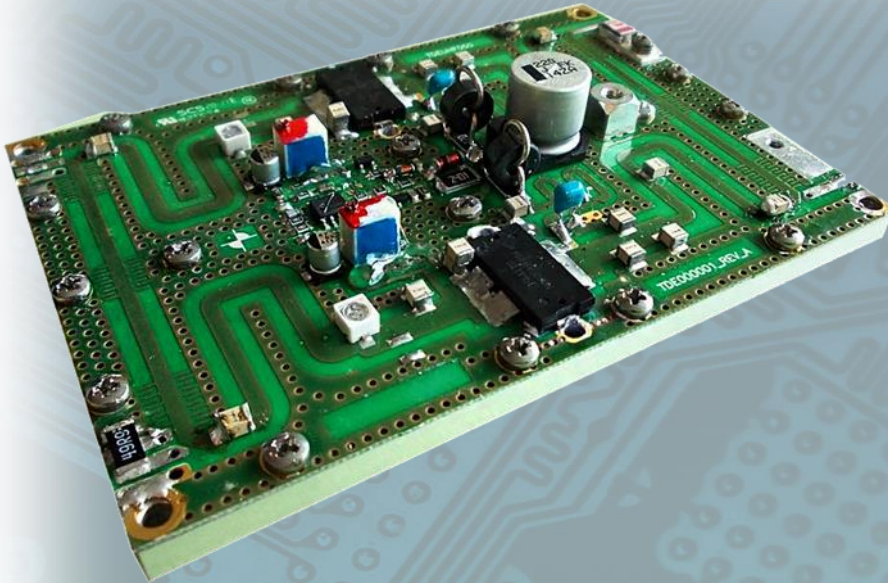


Broadcasting



TDE050UHF

Characteristics

TDE050UHF

is a broadband UHF medium power amplifier, based on MRF6VP3091NR1 LDMOS device in a TO-270WB-4 plastic package.

TDE050UHF

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

MAIN FEATURES

- High Gain
- High Linearity

DVB-T/T2 Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	20	25		W_{rms}	
Frequency Range	470		862	MHz	
Gain	18	20		dB	
Input Return Loss		-18		dB	
Voltage Supply		48	50	V_{dc}	
Bias Current		1.0		A	
Shoulders Level	-30			dB_c	(*)
Efficiency	10			%	(**)



tde@tdeitaly.com



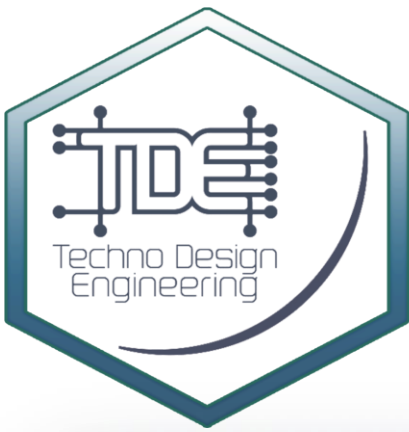
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Broadcasting

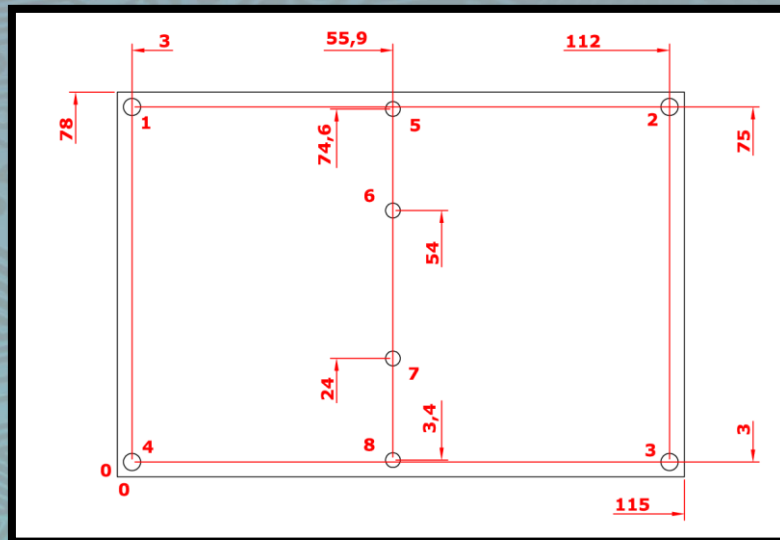
Notes

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

Screws Type

- **Screws point 1-2-3-4**
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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