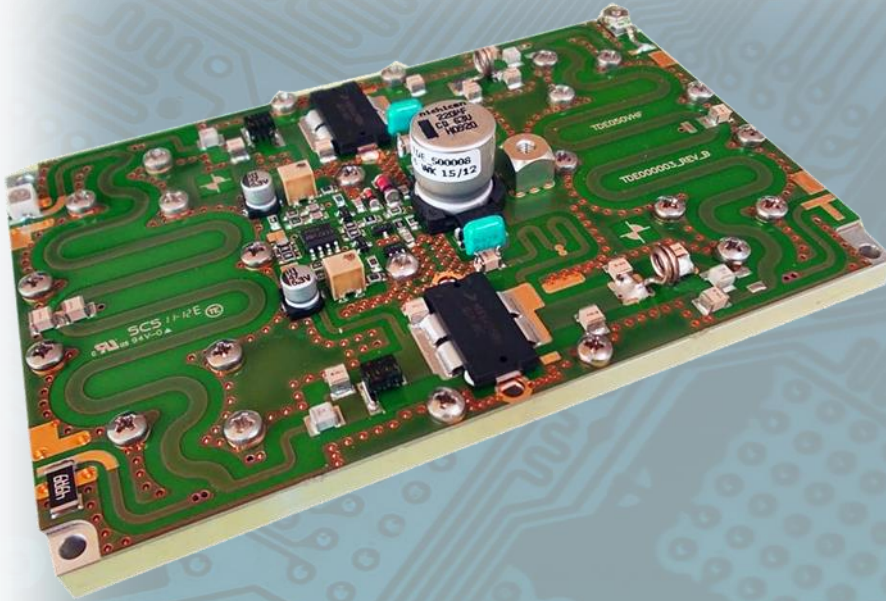


# Broadcasting



## TDE050VHF

### Characteristics

#### TDE050VHF

is a broadband VHF medium power amplifier based on MRF6V2150NR1 LDMOS device in a TO-270 WB-4 plastic package.

#### TDE300VHF

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

### MAIN FEATURES

- High Gain
- High Linearity

### DVB-T/T2 Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	10	15		$W_{rms}$	
Frequency Range	170		240	MHz	
Gain	23	24		dB	
Input Return Loss		-15		dB	
Voltage Supply		48	50	$V_{dc}$	
Bias Current		1.2		A	
Shoulders Level	-30			$dB_c$	(*)
Efficiency	10			%	(**)

#### Notes



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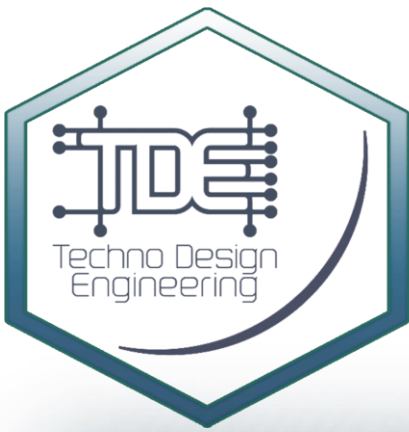


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#### Screws Type



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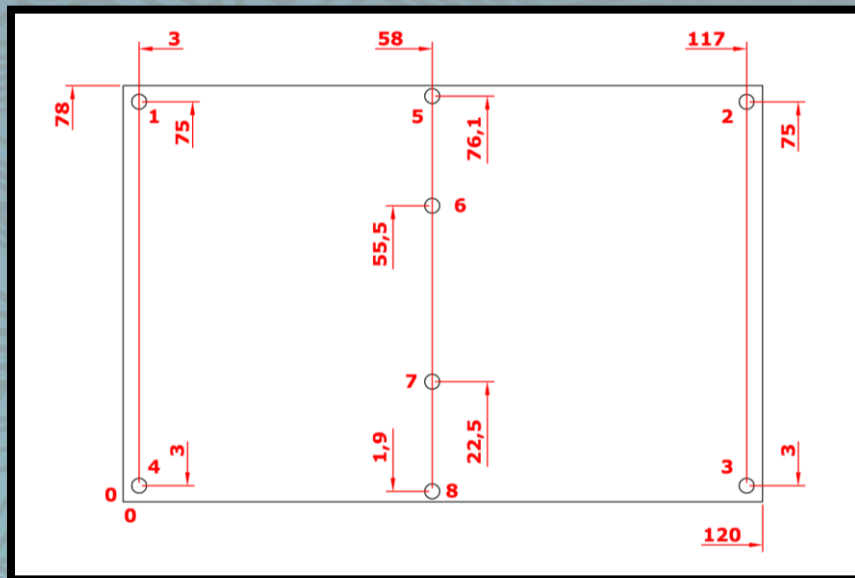


# Broadcasting

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

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

## Mechanical Specifications



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