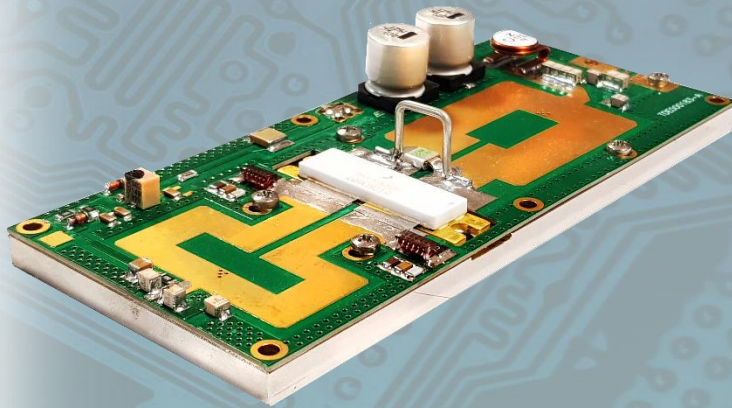


# Broadcasting



## TDE1K5FM

### Characteristics

#### TDE1K5FM

is a broadband FM high power amplifier based on MRFX1K80H LDMOS device in a SOT539A ceramic package.

#### TDE1K5FM

works in B class and it is able to cover the whole frequency band 87.5-108 MHz.

#### MAIN FEATURES

- High efficiency
- High Ruggedness

### FM Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	1300	1500		W	(*)
Frequency Range	87.5		108	MHz	
Gain		22		dB	
Input Return Loss		-10		dB	
Voltage Supply		60		V <sub>dc</sub>	
Bias Current		150		mA	
Harmonic content	-60			dB <sub>c</sub>	(**)
Efficiency	80			%	(***)



tde@tdeitaly.com



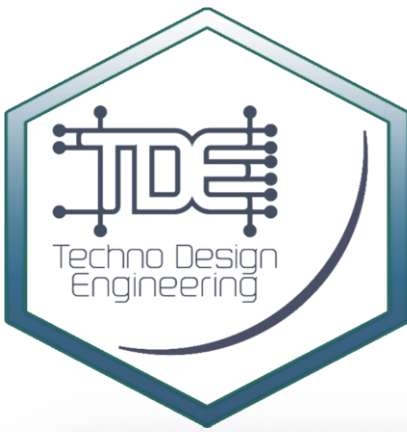
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# Broadcasting

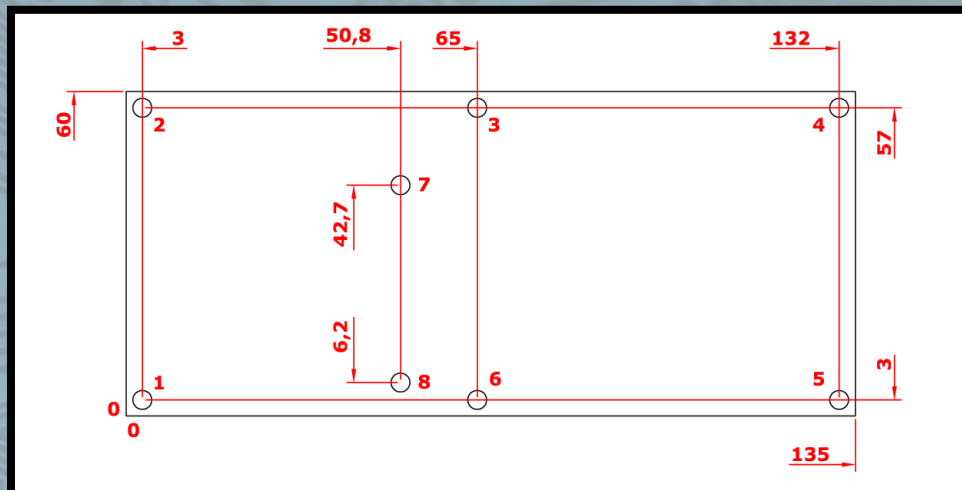
## Notes

- (\*) The output power is specified in CW
- (\*\*) The harmonic content is referred to the typical power out and with low pass filter inserted
- (\*\*\*) The efficiency is referred to typical power out and under ALC control

## Screws Type

- **Screws point 1-2-3-4-5-6-7-8**  
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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