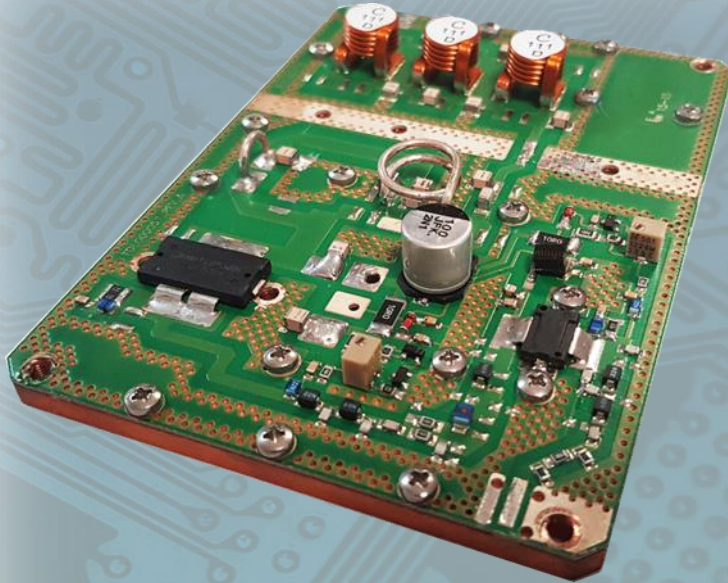


Broadcasting



TDE0300FM

Characteristics

TDE0300FM

is a broadband FM medium power amplifier based on MRF6V2300NR1 LDMOS device in a TO-270 WB-4 plastic package.

TDE0300FM

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

MAIN FEATURES

- High efficiency
- Built-in low pass filter

FM Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power		250		W	(*)
Frequency Range	87.5		108	MHz	
Gain		40		dB	(**)
Input Return Loss		-15		dB	
Voltage Supply		48	50	V _{dc}	
Bias Current		150		mA	
Harmonic content	-60			dB _c	(***)
Efficiency	70			%	(****)



tde@tdeitaly.com



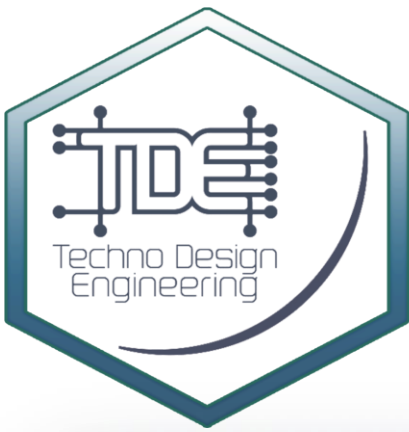
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Broadcasting

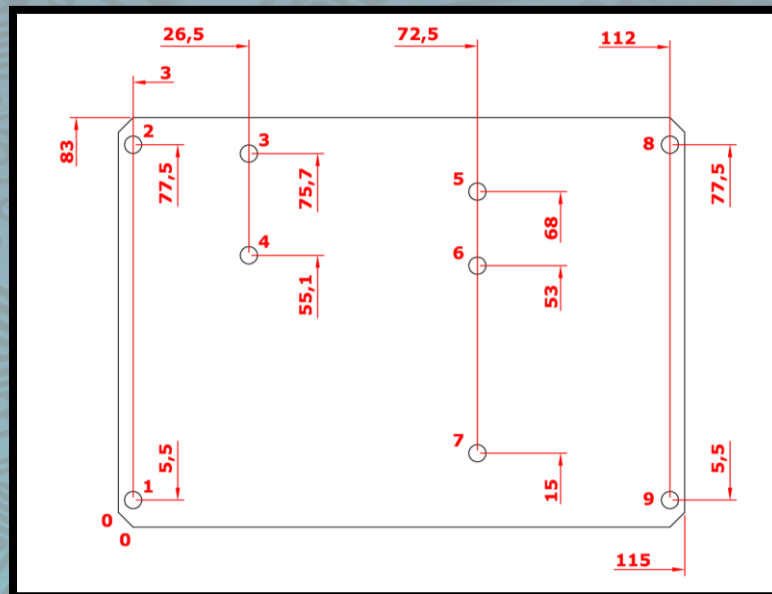
Notes

- (*) The output power is specified in CW
- (**) The internal driver stage is optional
- (***) 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 1-2-3-4-5-6-7-8-9**
M3 socket head cap screws
+ 9 split lock washers WZ \varnothing 3.5
+ 9 flat washers WZ \varnothing 3.5

Mechanical Specifications



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