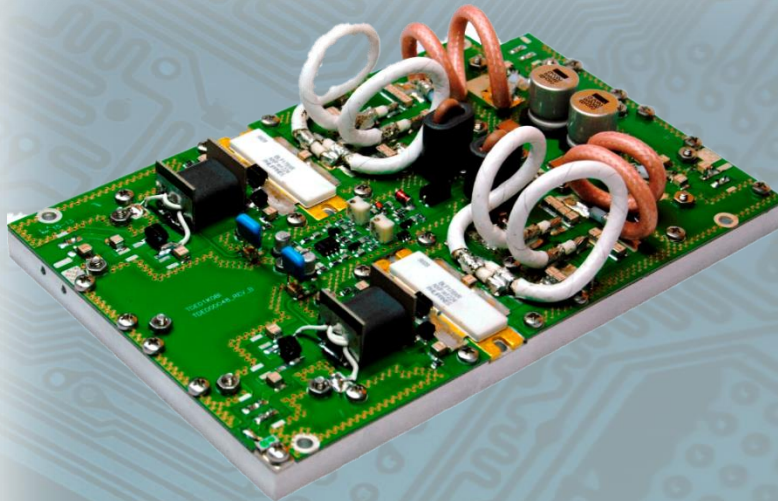


# Broadcasting



## TDE1K0BI

### Characteristics

#### TDE1K0BI

is a broadband VHF high power amplifier based on BLF178XR LDMOS device in a SOT539A ceramic package.

#### TDE1K0BI

works in AB class and it is able to cover the whole frequency band 54-88 MHz.

### MAIN FEATURES

- High Gain
- High Ruggedness
- High Linearity

### Analog TV Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	500	600		$W_{ps}$	
Frequency Range	54		88	MHz	
Gain	28	30		dB	
Input Return Loss		-15		dB	
Voltage Supply		48	50	$V_{dc}$	
Bias Current		3.6		A	
IMD Level	50			$dB_c$	(*)
Efficiency	30			%	(**)



tde@tdeitaly.com



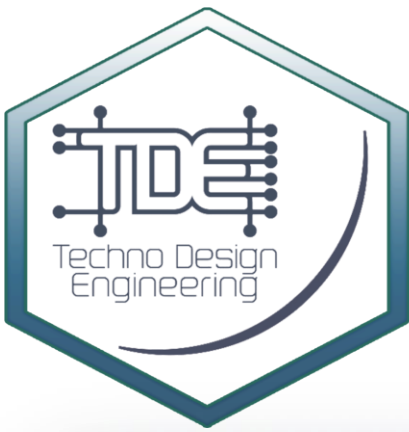
www.tdeitaly.com



(+39) 0765484028



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



# Broadcasting

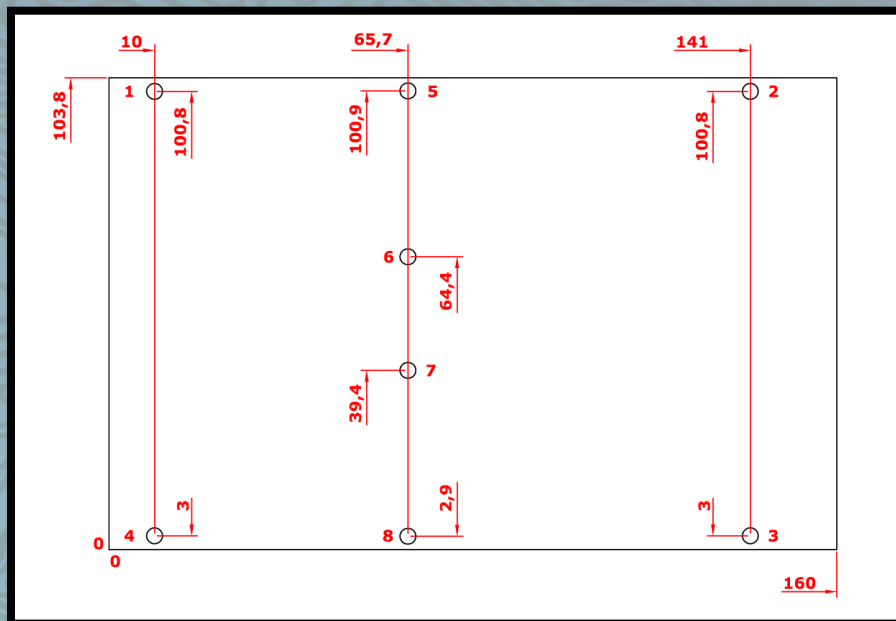
## Notes

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

## 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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tde@tdeitaly.com



www.tdeitaly.com



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