Broadcasting

TDE800UHFD

DVB-T/T2 Performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	130	140		W_{rms}	
Frequency Range	470		700	MHz	
Gain	14	15		dB	
Input Return Loss		-13		dB	
Voltage Supply		48	50	V_{dc}	
Bias Current		0.6		A	
Shoulders Level	-37			dB_c	(*)
Efficiency	44			%	(**)

Characteristics

TDE800UHFD
is a A-symmetric Ultra-Wideband Doherty, based on BLF888E device (6th generation LDMOS) in a SOT359 ceramic package.

TDE800UHFD
Lower section is the Main amplifier, the upper section is the Peak amplifier. The power ratio is 1:1.5 for optimum efficiency with DVB-T/T2 and ATSC-3 signals.

TDE800UHFD
Is able to cover the whole frequency band 470-700 MH_z.

MAIN FEATURES

- High Ruggedness
- High Efficiency

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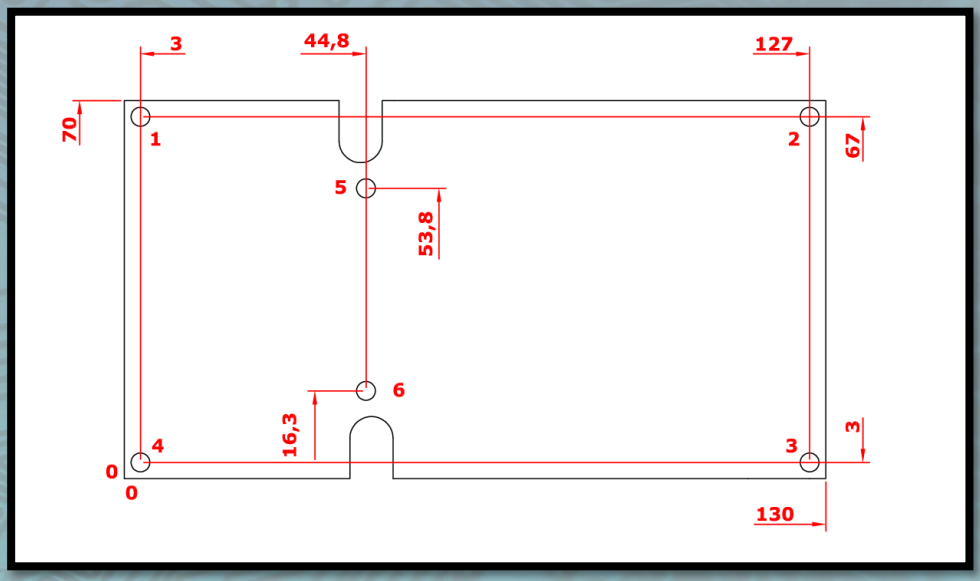
Notes

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

Screws Type

- **Screws point 1-2-3-4-5-6**
  M3 socket head cap screws
  + 6 split lock washers WZ ø 3.5
  + 6 flat washers WZ ø 3.5

Mechanical Specifications



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