

Broadcasting



TDE900UHFD

Characteristics

ITC900UHFD

is a A-symmetric Ultra-Wideband Doherty, based on BLF989E device (9th generation LDMOS) in a SOT359 ceramic package.

ITC900UHFD

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.

TDE900UHFD

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

MAIN FEATURES

- High Ruggedness
- High Efficiency

OFDM performance Summary

Parameter	Min.	Typ.	Max.	Units	Note
Power	150	160	180	W_{rms}	
Frequency Range	470		700	MHz	
Gain	15			dB	
Input Return Loss		-13		dB	
Voltage Supply		48	50	V_{dc}	
Bias Current		0.6		A	
Shoulders Level	-37			dB_c	(*)
Efficiency	48			%	(**)



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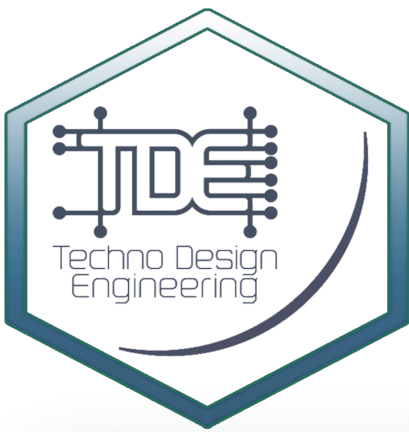
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Notes

- (*) The shoulder level is referred to typical power out without pre-correction
- (**) The efficiency is referred to typical power out without pre-correction

Mechanical Specifications

- Dimensions (LxWxH): 140x70x30 mm

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