

**Power Amplifier
TPA 500
500W 1.5÷30 MHz**

**Y191001-01A
P/N 560-00994-000**



Note: The Photo is purely indicative with respect to the final solution

ELECTRICAL SPECIFICATIONS

ENVIRONMENTAL

Power Supply	: 110 - 220 VAC
Maximum Absorption	: 2000 VA
Operating Frequency	: 1.5 – 30 MHz
Output Power CW & PEP	: 57 dBm
Tx Gain Flatness	: ± 0,5 dB
Input Power for Rated	: 18 dBm
Output Power	
Input Return Loss	: < 1.5 VSWR
Harmonic Attenuation	: >55 dB
Alarms	: Primary power fail, overtemp., high VSWR. Automatic bypass on failure
TX-RX Switching time	: ≤4ms
Tx Noise figure	: <10dB
Rx Insertion Loss	: 0,2 dB

Operating Temperature Range	: -20 ÷ +55 °C MIL STD 810G
Transporting and Storage Temperature Range	: -40 ÷ +70 °C MIL STD 810G
Umidity	: 95% r.h. not condensing
Vibration	: IEC68-2-6
Bump	: IEC 68-2-29
Toppling	: IEC 68-2-31
Free Fall	: IEC 68-2-32
EMC	: MIL STD 461G EN 6100-4-2 EN 61000-4-4 EN61000-4-5 MIL-E-16400H

MECHANICAL SPECIFICATIONS

INTERFACE SPECIFICATIONS

Size (excluding connectors)	: 19" 4U 500mm depth
RF Connectors	: Type – N, Female
Input/Output	
Cooling	: Controlled forced air
Weight	: <25Kg

Transceiver	: All commercial transceivers can be interfaced with TPA
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All data may change without notice. Measurement tolerances to be added.

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