



# T&C Power Conversions, Inc.

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## LA10S, BROAD BAND LINEAR AMPLIFIER

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### GENERAL

LA10S is a dual amplifier configuration with overlapping bands, suitable for wide band work in industrial and laboratory applications. Solid state switch selects operating amplifier module.

### FEATURES

EMI/RFI filter  
MIL-STD and CE approved components

### APPLICATIONS

Communications  
EMC testing  
General laboratory use

### OPTIONAL FEATURES

Contact T&C for available options.



## SPECIFICATIONS

Class of operation	A
Frequency of operation	Amplifier "A": 100 Hz to 1MHz; +/- 2dB, 200 Hz to 800 kHz +/- 1dB Amplifier "B": 1 MHz to 450 MHz, +/- 1.5 dB
Frequency Band switching	Control via isolated base BNC connector on the back panel. TTL /CMOS compatible signal for selecting operating amplifier module. Low Level SLCT IN (0V) or SLCT Open – amplifier "A" High Level SLCT IN (5V to 12 V) – amplifier "B"
RF Power Output	10 W linear for "A" and "B" in mid band
Gain	40 dB, +/- 1.5 dB each
RF Power Input Drive	-10 dBm to 0 dBm (1 mW) typical, +5 dBm max
Input and Output Impedance	50 Ohm
Input VSWR	1.2:1 max
Output VSWR	3:1 max
Harmonic level @ 10 W	< - 30 dBc , -20 dBc or better for third harmonic
Spurious Output	Greater than -50 dBc
RF Input / Output connectors	"N" type Female on rear panel
Power Source	AC Input: 100 to 120 VAC / 200 to 240 VAC, 50/60 Hz
Power connection	EMI / RFI Filter with IEC Standard Power Entry
Cooling	Forced air
Dimensions (with hardware)	H 95 x W 480 x L 419 mm, (H 3.75" x W 19" x D 16.5")
Weight	~ 8 kg, (18 lbs.)
Mounting	Stand alone unit. (Front panel fits rack mount)
Case:	Front Panel and Cover: T&C Platinum
Operating Temperature	0°C to 40°C