



ANDHRA ELECTRONICS PVT LTD

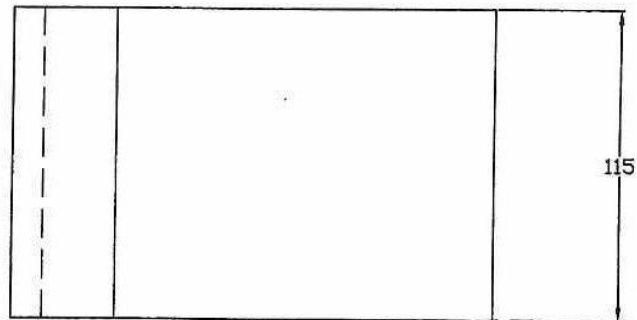
HF Interleaved Boost Converter with integrated Diode Rectifier Data Sheet

Sl.No	Electrical Parameters	Specifications
1	Input Voltage	Input AC voltage 115V rms through separate AC connector Input DC voltage 280 to 500V through separate DC connector 400V nominal at 1.8kW. Converter will be given 28V for internal electronics.
2	Output Voltage	600V
3	Output current	3A, nominal
4	Efficiency	>90%
5	Overload	125% of rated load for 15 seconds
6	Input Surge/Spike Suppression	<200% of rated current
7	EMI/EMC filter	To meet MIL-STD-461G
8	Switching Frequency	>=200kHz
9	Output voltage regulation	600+/-15V (Entire input voltage and load range)
10	Operating duration	45 minutes at rated load
11	Operating Temperature	-10°C to +55°C
12	Storage Temperature	-30°C to +70°C
13	Mechanical Dimensions	As per attached drawing
14	Cooling	Natural cooling/Hull mounted cooling
15	Communication interface	Microcontroller/DSP based RS232/RS485 Communication Interface to display parameters as per ICD
16	Fault trips and protections	Input Over Voltage
		Input Over Current
		Output under voltage
		Input reverse polarity protection
		Output Over Voltage protection
17	Enclosure material	Over Temperature protection
		Al. Alloy(Grade-AA2014), as per IS -734,24345-T6 condition
18	Weight	<5kg

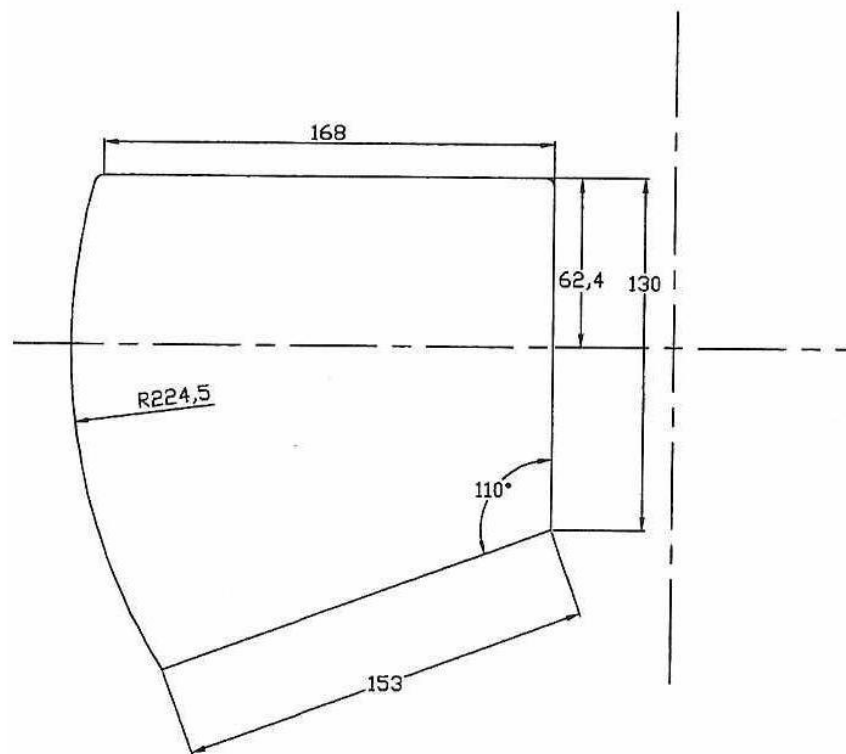


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Mechanical Dimensions



FRONT VIEW



TOP VIEW

Andhra Electronics Pvt. Ltd.

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