

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENT

Sl No.	Description of items	Quantity
PUR/546/R&A/MP/E/2019-20		
1	SUPPLY OF RACK MOUNTABLE HIGH FREQUENCY 3 PHASE RECTIFIER BOARD	1

1. INSTALLATION, COMMISSIONING AND TRAINING

NOT REQUIRED.

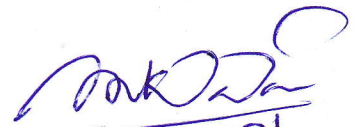
2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of one year must be provided to be effective from the date of successful completion of the job and final acceptance of the items / equipment at the user's laboratory / Institute.

Rack Mountable High Frequency 3 Phase Rectifier Board, Specifications:

1. 3-Phase AC Input Voltage: 240 VAC @ 400 Hz. Acceptable Voltage regulation $\pm 10\%$
2. DC Output Voltage: 250 VDC @ 24 A (Min.)
3. Power Rating: 6.0 kW to 6.5 kW
4. Minimum Rectification Efficiency: 85%
5. Maximum DC Output to Ground Isolation: ± 1000 VDC
6. Maximum Over Voltage / Over Current Trip Setting: 10% to 110% (of max voltage/current rating)
7. Slew Rate: 90 to 200 ms
8. Communication Interface: RS-232
9. Operating Temperature: 0 to 50 deg Celsius
10. Maximum Non-condensing Humidity Tolerance: 95%
11. Form Factor: Rack Mountable (1U)
12. Other requirement: Front Panel with Voltage and Current Displays, operable Voltage and Current Control Knobs, Start Stop Push Buttons; fully finished Rear Panel

Note: Size and weight should be as minimum as possible. Necessary accessories should be provided. Warranty of the item be explicitly mentioned.


13/01/2020