

RF Amplifier 26.5GHz-40GHz Specification Requirement:

| Sl No. | Parameter | RF Amplifier: 26.5GHz-40GHz |
|---------------|---------------------------------------|--|
| 1. | Operating Frequency Band | 26.5GHz-40GHz |
| 2. | Amplifier Type | Travelling Wave Tube Amplifier (TWTA) |
| 3. | Output Power | 40W minimum |
| 4. | Gain | 35dB minimum |
| 5. | Maximum harmonic distortion | -15 dBc or better |
| 6. | Output Reflected power protection | Should be available, there should not be any damage to amplifier due to reflected power |
| 7. | Input and Output Impedances | 50 Ohm,50 Ohm |
| 8. | AC Mains Power | 230 V +/- 10%, 50Hz |
| 9. | Control | Local and Remote control Through GPIB |
| 10. | Cooling | Forced Air Cooling (Built In) |
| 11. | Deliverable parts with each amplifier | A) AC power cord to be provided B) Operating and Instruction Manual |
| 12. | Warranty | 1 Year standard warranty and party to quote for extended Warranty for additional 2 years |
| 13. | Weight and Size | To be provided |
| 14. | Quantity | 1No. |