



Pulse Power Amplifiers

STANDARD MODELS

| Model | Frequency Range GHZ | peak output power kW Min | Gain variation dB | VSWR | Duty Cycle | Efficiency | pulse width us |
|-----------------|-------------------------------|--------------------------------|----------------------|------------|-----------------|------------------|------------------------|
| MTPA2P73P1-8000 | 2.7...3.1 | 8(@Pin=0dBm) | ≤±1 | ≤1.5:1 | ≤10% | ≥20% | ≥300 |
| Model | pulse drop max | rising time ns | falling time ns | PRF KHz | spurious dBc | harmonics dBc | AC input voltage DC |
| MTPA2P73P1-8000 | ~5% (detector output voltage) | ≤150 | ≤300 | 0~2 | ≤-60 | ≤-15 | 208VAC±10% 60Hz±5% |
| Model | operating temperature | Dimensions (H, D) cm | | | | | |
| MTPA2P73P1-8000 | 0°C ~ 50°C | 48.3 *98.5*70 | | | | | |

INPUT CONNECTORS

RF Input: N(Female)
 RF Output: CPR 284F flange
 Supply Control TTL: BNC(Female)
 Driving INPUT: J30J-15ZKP
 All connectors are placed on the back
 connector type: MS3102A22-22P (Pin A: 120V PHA,Pin B:120V PHB,Pin C:120V PHC, Pin D:SAFETY GROUND (neutral))
 Random attached connection joint: MS3106A22-22S.
 Cooling: Air Fan
 Power Detection Accuracy: ≤ 0.5dB
 LAN/USB Interface

FRONT PANEL DISPLAY

- A. LCD display: input pulse width, Duty Cycle, Gain, Input Signal Frequency, Output Power, Reflected Power, DC Power Supply
- B. Error Indicator: Over Drive Protection, Over Power Protection, Over Temperature Protection, Reflection Protection, Fan Error.
- C. Gain Variation and Frequency Variation Button
- D. Local Control/Remote Control Button
- F. Output Coupling Port: -50±0.5dB, SMA(Female)
- G. Power On/Off

Relative Humidity: up to 95% (non-condensing)
 Operating Altitude: up to 2000 m above sea level
 Vibration and Shock: normal laboratory environment
 Cooling: forced air with integral blower
 air intake and exhaust at rear

MTPA 2.7... 3.1 GHz

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OUTLINE



ACTUAL TESTING DATA

