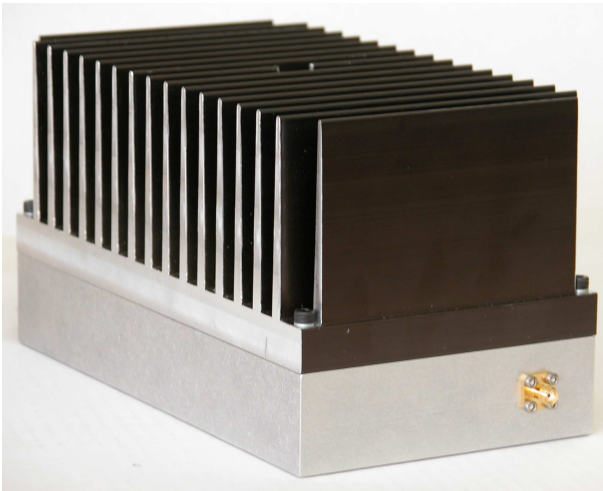


E BAND POWER AMPLIFIER

EPA - 20W



CLASS A SOLID STATE POWER AMPLIFIER

- Frequency range : 2100 to 2300 MHz, 2300 to 2500 MHz or 2500 to 2700MHz (factory setting)
- Output power : 20 W.
- Gain : 30 to 45dB (factory setting)
- Gain flatness : +/-1dB
- VSWR (50Ω) < 1.8
- Load mismatch (VSWR = ∞) : no degradation. (built in output isolator)
- Forward and reverse power monitor included

POWER REQUIREMENT

- 28 V DC (18 V min to 36 V max), other on request.
- 4 A at 20 W for 28 Vdc input.
- Reverse polarity protection.
- Thermal protection : Shutdown at 100°C baseplate.

ENVIRONMENTAL CONDITIONS

- Operating temperature range : -20 to +70° C. (+100°C max. baseplate)
- Vibration: 20 Hz to 2000 Hz, 10 g-c.
Random 0.4 g²/Hz from 10 to 400 Hz.
- Chock: ½ sinus 11 ms, 100 g.
- Acceleration: 40 g.
- Altitude: 25000 meters maximum.

DIMENSIONS

- Dimensions :
239 x 117.4 x 120 mm with heatsink.
239 x 117.4 x 37 mm without heatsink (require 0.4°K/W thermal resistance of mounting surface for 70°C operating temperature)
- Weight:
3.7 kg with heatsink.
1.3 kg without heatsink.
- RF input / output connector : SMA.
- DC, alarms and control connector :
Souriau 851-02E-1210-P50

**Specifications subject to change without notice.*

AA SYSTEL

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