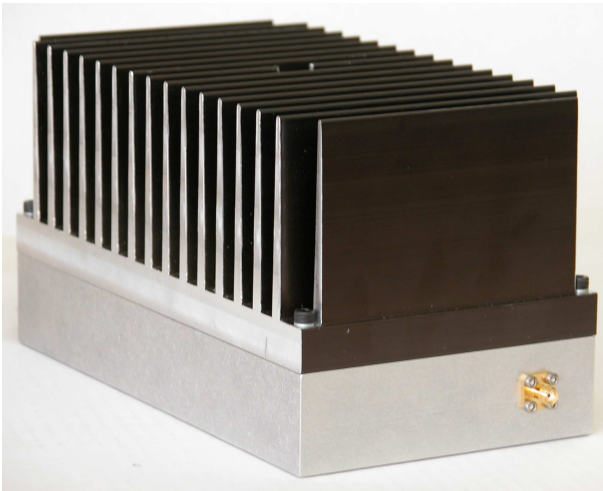


## E BAND POWER AMPLIFIER EPA - 10W



## CLASS A SOLID STATE POWER AMPLIFIER

- Frequency range : 2100 to 2300 MHz, 2300 to 2500 MHz or 2500 to 2700MHz (factory setting)
- Output power : 10 W.
- Gain : 27 to 42dB ( factory setting)
- Gain flatness : +/-1dB
- VSWR ( 50 $\Omega$  ) < 1.8
- Load mismatch ( VSWR =  $\infty$  ) : 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.
- 3 A at 10 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 g<sup>2</sup>/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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