



RF Components

Model Number:
CST-KCU-PAS-1102

Broadband Power Amplifier

50 - 2500 MHz

- Medium Power 2 W
- 31 dB gain Min
- S-band 50 –2500 MHz
- Forward detector
- External DC powering 24 to 26V

Available with RF connector options:

- 50 Ω SMA



50-2500 MHz
operating frequency range.



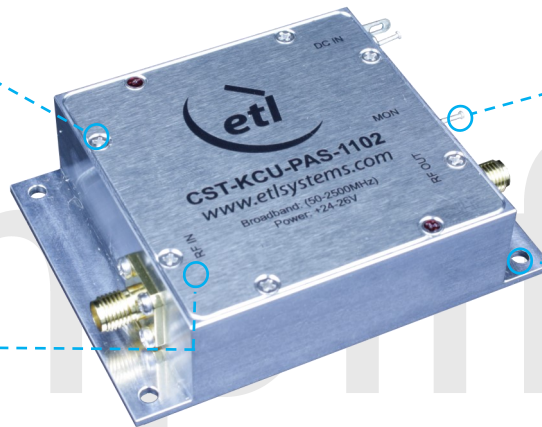
Monitor point
Diode detector



Flexible Mounting
Flange mounting holes



Compact
housed in rugged compact enclosure



RF Parameters		
CST-KCU-PAS-1102		S5S5
Frequency Range		50 –2500 MHz
RF Connectors		50Ω SMA
Gain (dB)		31 dB min
Gain Flatness	Typ.	± 1 dB
Output P1dB		33 dBm (2W)
Harmonic Rejection		25 dB @31.7 dBm
Input Return Loss	Typ.	14 dB
	Min	10 dB
* Monitoring via forward detector (diode detector) Heat Sink available - model ACC-HSK-920004		

Broadcast



Marine Oil & Gas



SNG & VSAT



Satellite Teleport





RF Components

Model Number:
CST-KCU-PAS-1102
S-band Power Amplifier

Technical specifications and operating parameters

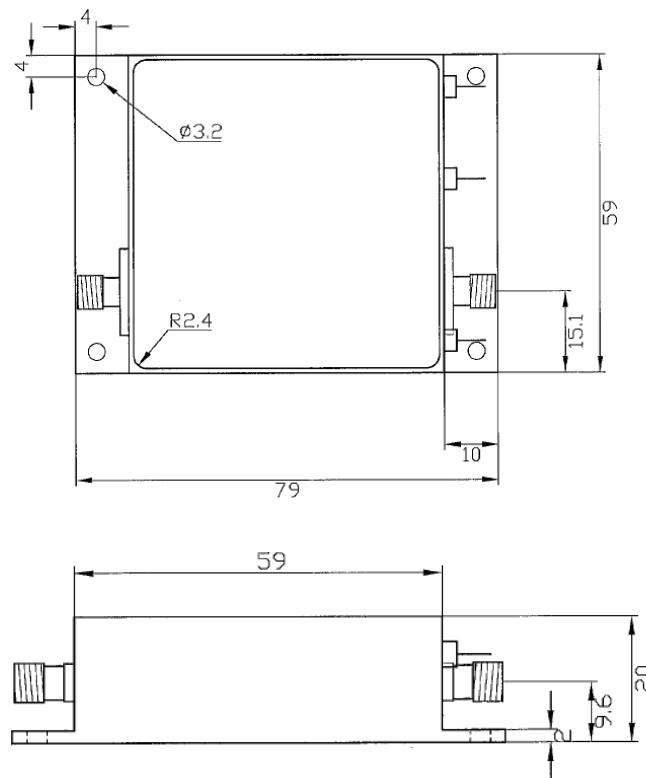
Environmental	
Operating Temperature	-20 °C to +55 °C
Storage Temperature	-25 °C to +75 °C
Location	Indoor use Only
Humidity	85% non-condensing
Altitude	10,000 feet

Max Operating Parameters	
Input RF Power	+10 dBm (10 mW)
DC Voltage	Supply Voltage 24—26V (30 V max)
DC Current	1 A
DC Consumption	750 mA typ

Environmental	
Dimensions	80 x 60 x 20 mm
Weight	140 g Typ.
Case	Milled Aluminium

! Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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