

Hi-Rel Space SSPA DM-HPX-4-102-S



Specifications are subject to change without notice

Specifications (-20 to +50°C)

Parameter	Value
Frequency	7.9 to 8.4 GHz
Small Signal Gain	40 dB min
Gain Flatness over freq.	±1 dB max
Output Power P2dB	35dBm min (3W min), 36 dBm typ (4W typ)
Input VSWR	1.4:1 max
Output VSWR	1.4:1 max
AM-PM Conversion	5°/dB max
Spurious	-70 dBc max
Input Power Handling	+10 dBm max
Voltage	22 to 37 VDC
DC Power Consumption	25W – On Mode; 2W – Off Mode
Operation	CW

Environmental Specifications (by design)

Parameter	Value
Operating Temperature	-20 to +50°C
Relative humidity	up to 75% (non-condensing)
Vibration	9.8 Grms

Features

EPC	Included
EMI Filter	Included
DC On/Off	TTL Logic-Low "0V": ON; High "5V": Off
Temp Sensor	Included
Over-Temp Shutdown	set at +70°C
Over-Current Shutdown	Included
ALC	Optional (Fixed Pout over 0-10dBm input range)

Mechanical Specifications

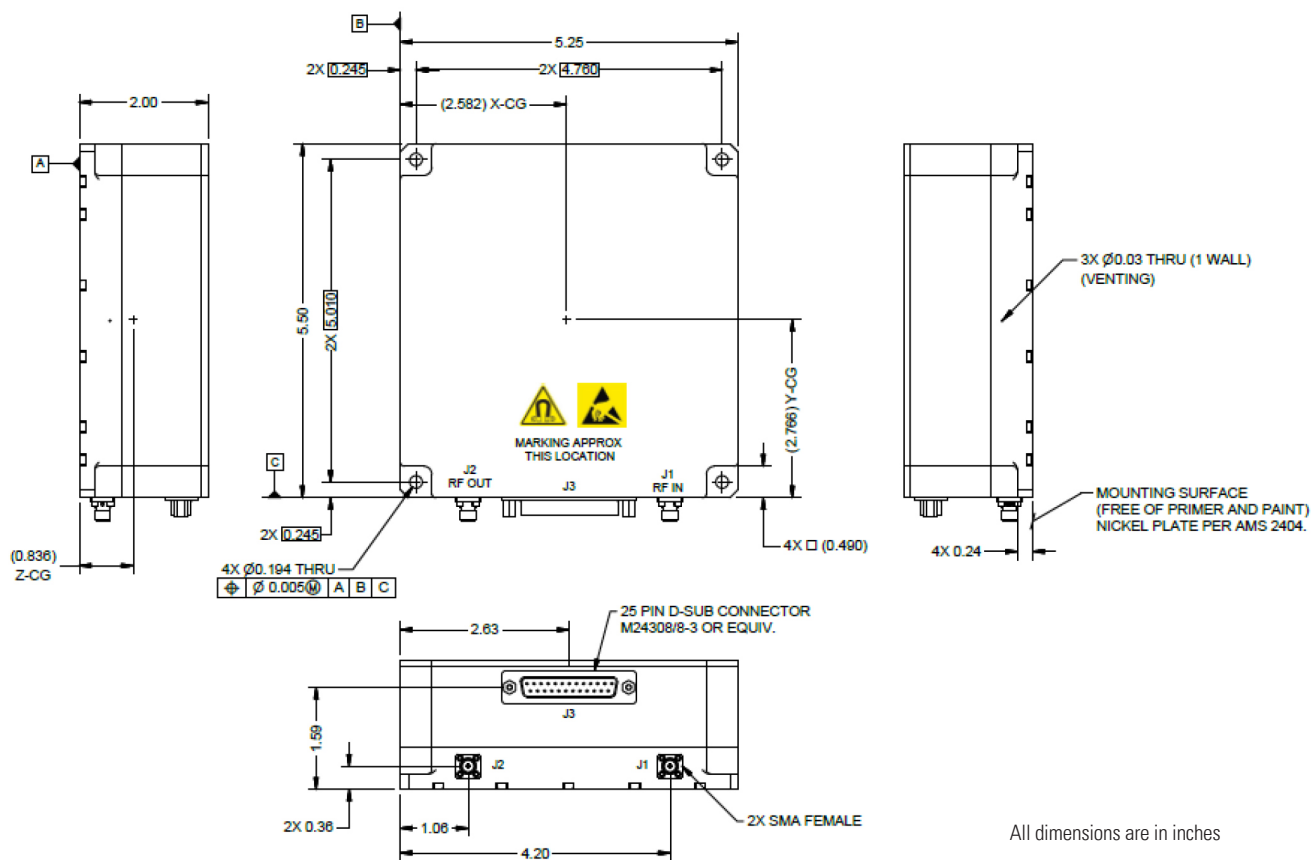
Parameter	Value
Size (L x W x H)	5.5" x 5.25" x 2" inches
Weight	3.5 lbs.
RF Connectors	SMA (f)
DC Connector	25-pin D-sub
Finish	Black Paint
Cooling	External heatsink required

Radiation Hardness Assurance (by design)

Parameter	Value
TID	30krad (Si)
SEE	36 MeV-cm ² /mg



Outline Drawing



Need More Help? Need a Variant of This Product?

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