

Hi-Rel Space SSPA DM-HPS-8-102-S

Electrical Specifications (+25°C)

PARAMETER	UNITS
Frequency	2.2 to 2.3 GHz
Small Signal Gain	44 dB min
Gain Flatness over freq.	±0.4 dB max
Output Power P3dB	+38.5 dBm min (7W min), 39 dBm typ (8W typ)
Input VSWR	1.8:1 max
Output VSWR	1.5:1 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	40W max – On Mode; 5W max – Off Mode
Operation	CW

Mechanical Specifications

PARAMETER	UNITS
Size (L x W x H)	4.5" x 4.5" x 1.7" inches
Weight	2.25 lbs.
RF Connectors	SMA (f)
DC Connector	15-pin micro D
Finish	Black Paint
Cooling	External heatsink required

Features

PARAMETER	UNITS
DC-DC Converter	Included
EMI Filter Included	Included
DC On/Off	TTL Logic-Low "0V": ON; High "5V": Off
Temp Monitoring	Rosemount Aerospace 0146MA
Over-Temp Shutdown	set at +85°C
Over-Current Shutdown	Included

Environmental Specifications (by design)

PARAMETER	UNITS
Operating Temperature	-34 to +80°C
Relative humidity	up to 75% (non-condensing)
Vibration	9.8 Grms