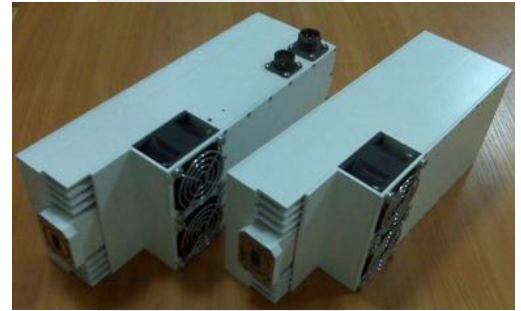


**100 W SSPA KU BAND**

Model Type: **100KU001A**

**This device is suitable for satellite video and data applications.**  
The SSPA performs the translation of the input power signal in Ku Band up to 100W.



**LED ALARM (to LEDs installed)**

LED indicator	●	SSPA OUT ENABLED
LED indicator	☀	SSPA OUT DISABLED (Mute)
LED indicator	●	SUMMARY ALARM
No LED illumination		No power supply voltage

**CONNECTOR PIN ASSIGNMENT**

Connector Name	Type	Pin #	Signal	Parameter
J1 "IF IN"	WR-75	N/A	RF Input	39dBm, max
J2 "RF OUT"	WR-75	N/A	RF Output	47/50 dBm, min
J3 "AC POWER IN"	MS 3102E-14S-7P	A	Line	110/220V AC
		B	GND	
		C	Line	
J4 "M&C Interface"	PT02E12-12-10P 10 pin male	A	Rx+ In	RS-485
		B	Rx- In	
		C	Tx+ Out	
		D	Tx- Out	
		E	Detector	Optional
		F	Alarm Out	Low when alarm
		G	GND	
		H	Mute In	Muted when Low
		J	Rx In	RS-232
K	Tx Out			



## TECHNICAL SPECIFICATION

### INPUT CHARACTERISTICS

Frequency	13.75 ÷ 14.50 GHz
Return loss	15 dBmin

### OUTPUT CHARACTERISTICS

Frequency	13.75 ÷ 14.50 GHz
Return loss	15 dB min
Power output	50 dBm @ 1 dB compression point

### TRANSFER CHARACTERISTICS

Gain min.	18 dB
Gain flatness	± 2dB
Input level without damage	39 dBm

## MECHANICAL AND GENERAL SPECIFICATION

RF input interface	WR-75
RF Out interface	WR75
Power Supply SSPA	230 VCA, 350 W max
Weight	6 Kg
Dimension	350 x 150 x 100 mm
Operating temperature	-30° C ÷ +50° C
Relative humidity	5 ÷ 100%
Water protection	IP66