ETL Systems
Excelling in RF Engineering

Model Number:
2786-N5N5

Single Channel BUC Power Supply with switchable 48Vdc & 10MHz pass

Typical applications:
- Satellite terminals between the satellite modems & BUC antenna.
- Suitable for satellite dishes with single BUC fitted.
- V-sat

BUC Power
provides switchable on/off 48Vdc

Local control & monitoring via front panel push buttons and LED's

Compact
housed in a 1U high chassis

500 - 2500 MHz
operating frequency range

Single Channel
to power 1 BUC

Resilience
from dual redundant power supplies

10 MHz Pass
from modem to BUC

Dry contact alarm port
for power supply status

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Model Number: 2786-N5N5

Single Channel BUC PSU Shelf

Technical specifications and operating parameters

RF Parameters			
Capacity		Single Channel	
Frequency Range		500-2500 MHz	
Insertion Loss		<1 dB	Mean across band
Flatness	Full Band	±0.5 dB	
	Any 36MHz	±0.1 dB	
Input Return Loss	Typical	16 dB	
	Minimum	12 dB	
Output Return Loss	Typical	16 dB	
	Minimum	12 dB	
DC Pass		RF Output Port	48V up to 6A
10MHz Pass		RF Input Port to Output Port	<0.25 dB insertion loss
Input RF Power		+ 16 dBm	Absolute maximum

Environmental	
Operating temperature	0 to 45˚C
Location	Indoor use only
Storage temperature	-20˚C to +75˚C
Humidity	20 to 90% non-condensing

Power		
PSU Power	100-240Vac 50/60Hz	Fused 6A
AC Consumption	18W BUC un-loaded 350W BUC Pwr Fully Loaded @6A	Max. consumption at steady state
BUC Power	48Vdc, 6A max via output port	Controlled by front panel switch
PSU	Dual redundant and alarmed	Diode OR.
Hot-swap PSU	No	
RF Monitoring	None	

Physical	
Input & output RF Connector	N-type
Input & Output Impedance	50 Ω
Dimensions	1U high x 350mm deep x 19” wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss

System Control	
Local Control	Front panel push buttons
Remote Control	Via RS232/485 serial port and RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser interface.
Alarms	Dry contact (D-type) for PSU status

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

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