PSLINK30-3-5, 30 Watts RF Link Power Supply

SPECIFICATIONS

Input specification

Input voltage:	**(-)**36-(-)72 VDC
Under Voltage shut down	**(-)**34+/-0.5VDC
Upper Voltage limit	(-)72 VDC
Input Fuse	
Protection against polarity inversion	
Efficiency (Po=30W):	>80%

Output power:

- Output 1:	+ 3.3V, 6A
- Output 2:	5.1V, 2A
- Output 3:	input voltage,2A
Voltage accuracy	+/- 3%
Stability:	
Line, load and cross-regulation	1%
Ripple Out 1, 2	1%
Minimum Load	30%
Over Voltage Protection	120%
Over Current Protection	120%-150%
Insulation voltage	500v

MAIN FEATURES:

- **Dual Regulated output**
- **Protected output for Outdoor unit -48V supply (switched)**
- **Hot swap**
- **Full redundant 1+1**
- **Fail indication**
- **Decupling diodes**
- **Efficiency >80%**
- **Ideal for RF links**
- **On/Off switch (optional)**
- **Output Supply Fault Indication Bit.**

Compliancy

Electrical Complies with ETS 300 132-2

Safety Complies with EN60950

Emission
according EN 301 489-1 and EN301489-4

Electromagnetic discharge (ESD)

- Contact Discharge: EN61000-4-2 level 2 limits
- Air Discharge: EN61000-4-2 level 3

Radiated emission
According to EN55022 Class A and B

Conducted emission
According to EN55022 Class B

Immunity
Complies with EN301 489-1 & EN301489-4

RF electromagnetic field (80-1000MHz)
In accordance with EN61000-4-3

Enviromental conditions

- Operation: Guaranteed performing temperature range -25C to +70C
  ETSI ETS 300 019-1-3 class 3.2 and ETS 300 019-2-3 test spec T 3.2
- Storage: ETSI ETS 300 019-1-1 class 1.2
- Transportation : ETSI ETS 300 019-2-3 class 2.3 and 300 019-2-3 test condition T 2.3
- Shock & vibrations: ETSI ETS 300 019-1-3 and ETS300 019-2-3 test condition T 3.3

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Mechanical spec

The PS to be install in 1U-high sub-rack(4.5cm) metal housing, together with the other system components.
For complete definition of the PS board mechanical design (board area, components height, Connector), refer to the PS board drawing.

Connectors

The main power input connector per spec.
The output connector per spec.

Notes

1. **All specifications typical at nominal line , Full Load , and 25°C Unless Otherwise Noted .**
2. **Output 3.3V is activated only if the other output 2 and output 3 are valid.**