

Avionics Grade DC-DC Converter AJN-12V-30W-DC

Section	Parameters	Specifications
Output	Voltage	12.1 +/- 0.2V
	Power	30W
	Current	2.5A
	Ripple	<5mV
	Short-term Power Interruption	<15ms
	Abnormal power interruption	15 ms, < T, <=5.3s
	Power Off	5.3 s <= T
	Spikes	150ns < T, 10us, +/-600Vp
	Bonding resistance (X1 to housing)	< 0.5mΩ
	Bonding resistance (X2 to housing)	< 15mΩ
	Bonding resistance (X1 to X2)	< 15mΩ
	Insulation resistance between input and output	50MΩ
Input	Voltage	16-32V
	Power_Off_pin	1V will disable output open and 4V will enable output
	Warm start (Time delay < 5.3 seconds)	750 +/- 250ms, time difference between PWR_FAIL and WARM_ST
	Warm start (Time delay > 5.3 seconds)	< 20ms, time difference between PWR_FAIL and WARM_ST
	Power failure indication pin	Provided
	Efficiency (Typ.)	>= 80%
Protection	Reverse voltage protection	Provided
	Output protection	
	Input Over/under voltage	
	Short circuit protection	Protected
Environment	Operating temperature	-40°C to +71°C
	Storage temperature	-40°C to +85°C
	Humidity	95%
	Altitude	1000m
	Type of cooling	Natural
	IP rating	IP 67
Standards	Compliance to MIL standards	MIL - HDBK-1875
		MIL-HDBK-419A
		MIL - STD -202
		MIL - STD -883
		MIL - STD -704A
		MIL - STD -461G
Physical	Approximate L x W x H	105mm x 82mm x 25mm
	Weight	350g

Note: The technical data present in this document is for information purpose only and is subject to change without prior notice. Should you require more information, please reach us at info@zepcotek.com