



Naskon

Power Conversion products





Naskon 160500 Series Power Adaptors:

NaskonSoft's 160500 Power Adaptor Series are 5V AC-DC, single output switching mode power supply solutions designed with high frequency technology. It meets low ripple and noise for powering telecom equipments. These are highly reliable, cost effective, efficient, compact in size and are designed to operate with wider AC Input range (90-300VAC), to withstand universal power conditions.

Features:

- ✓ Compact size and highly reliable.
- ✓ Robust design
- ✓ SMPS based design
- ✓ Natural convection cooled
- ✓ Mounting: Wall Mountable

Protections:

- ✓ Output Overload Protection : During over load, output folds back and resumes to normal operation after the removal of over load.
- ✓ Short Circuit Protection : During short circuit at output, the power supply protests and resumes normal operation on removal of short circuit.
- ✓ Over temperature Protection : In case of over temperature the power supply shuts down and resumes to normal when the temperature reduces.

Technical Specifications

PARAMETER		NKA 160505	NKA 160510	NKA 160515	NKA 160520	NOTES AND CONDITIONS
INPUT	Voltage	230 Vac	230 Vac	230 Vac	230 Vac	-
	Voltage Range	100-300 Vac	100-300 Vac	100-300 Vac	100-300 Vac	-
	Frequency	50 Hz	50 Hz	50 Hz	50 Hz	-
	Frequency Range	48-52 Hz	48-52 Hz	48-52 Hz	48-52 Hz	-
OUTPUT	Voltage and Regulation	5V	5V	5V	5V	±10% of Nominal
	Voltage Range	4.5-5.5 V	4.5-5.5 V	4.5-5.5 V	4.5-5.5 V	-
	Operating Output Current	0.5 A	1 A	1.5 A	2 A	-
	Ripple	Max: 50 mV	Max: 75 mV	Max: 75 mV	Max: 50 mV	Measured with 10 µF/35 electrolytic cap and 0.1µF ceramic cap in parallel
	Noise	Max: 2mV	Max: 2mV	Max: 2mV	Max: 2mV	
PROTECTION	Output Overload	-	-	-	-	Folds back type, Automatic recovery after the removal of over-load
	Over Voltage	6.1 Vdc	6.1 Vdc	6.1 Vdc	6.1 Vdc	Latch Type
	Short Circuit	-	-	-	-	Shutdown with automatic recovery (Hiccup mode)
ENVIRONMENT	Operating Temperature	0-50 °C	0-50 °C	0-50 °C	0-50 °C	Non condensing
	Storage Temperature	0-70 °C	0-70 °C	0-70 °C	0-70 °C	-
	Operating Humidity	5-95 %RH	5-95 %RH	5-95 %RH	5-95 %RH	Non condensing
EFFICIENCY	100% Load	80%	80%	80%	80%	At input of 230Vac and 50Hz
ISOLATION	Shorted Input and Shorted Output terminals	Max: 1.5k Vac	Max: 1.5k Vac	Max: 1.5k Vac	Max: 1.5k Vac	For 60 seconds
Safety, EMI & EMC	Safety	Designed to meet IEC 60950				-
	EMI / EMC	CISPR22/IEC61000				-
GENERAL	DC JACK	2.1/5.5 2.5/5.5 Micro USB	2.1/5.5 2.5/5.5 Micro USB	2.1/5.5 2.5/5.5 Micro USB	2.1/5.5 2.5/5.5 Micro USB	-
	Adapter Type	2/3 Pin Wall Mountable	2/3 Pin Wall Mountable	2/3 Pin Wall Mountable	2/3 Pin Wall Mountable	-
	Output DC cable length	1.5 m	1.5 m	1.5 m	1.5 m	-
	Dimensions	75x52x34 mm	75x52x34 mm	75x52x34 mm	75x52x34 mm	-