samlexamerica®

10A

DC-DC Step Up Converters

Model
STEP 10
10 Amps

Design Features

- Step up from 12 VDC to 24 VDC
- Switch mode design
- CE approved
- High efficiency
- Over-current protection
- Over-voltage, reverse polarity protection
- 6.3mm push-on flat pin connectors

2 YEAR LIMITED WARRANTY

MODEL NO.	STEP 10
INPUT VOLTAGE RANGE	9 - 18 VDC
OUTPUT VOLTAGE	24 VDC Nominal (25.7 to 24.6)
OUTPUT CURRENT	10 A
OFFLOAD CURRENT	< 15 mA
OUTPUT VOLTAGE STABILLITY	+ 0% / -5%
OUTPUT NOISE	< 50 mV rms
EFFICIENCY	~ 92%
COOLING	Convection
ISOLATION INPUT - OUTPUT	Common negative
TEMPERATURE INCREASE AFTER 30 MINUTES AT FULL LOAD	30° C
OPERATING TEMPERATURE	- 20° to + 30° C, de-rate linearly to zero at 70° C
HUMIDITY	Maximum 95%, non condensing
OVER CURRENT	Short circuit proof
OVER HEATING	Reduction of output voltage
REVERSE POLARITY CONNECTION	Fuse and reverse connected diode across input
OVER VOLTAGE	Varistor (also protects against load dump)
EMISSION	EN50081-1 / EN61000-6-3
IMMUNITY	EN50082-1 / EN61000-6-1
AUTOMOTIVE	95 / 54 / EC
CASEWORK	Anodised aluminum
INPUT / OUTPUT CONNECTIONS	Quick connect male 6.3 mm / ¼" flat blade
RoHS	Meets RoHS COMPLIANCE
CONNECTIONS	6.3 mm push-on flat blade connectors
DIMENSIONS, MM (L x W x H)	126 x 88 x 49
DIMENSIONS, INCHES (L x W x H)	4.5 x 3.5 x 1.9
WEIGHT, KG	0.4
WEIGHT, LB	0.9

NOTE: Specifications are subject to change without notice

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