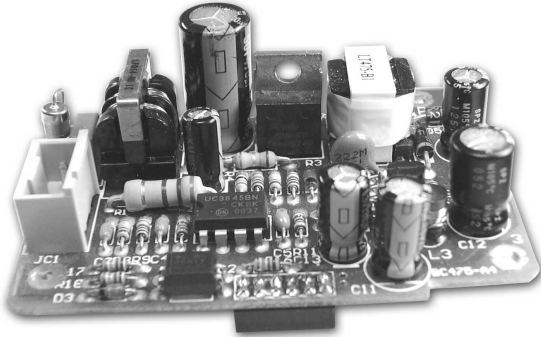


SAD03-9552

DC - DC CONVERTER
3.3W



SPECIFICATION

All Specifications Typical At Nominal Line, Full Load, 25°C Unless Otherwise Noticed

GENERAL

Characteristics	Conditions	min.	typ.	max.	unit
Switching frequency	Vi nom, Io nom		80		KHz
Isolation voltage	Input / Output	100			VDC
Ambient temperature	Operating at Vi nom, Io nom	- 10		+ 71	°C
Storage temperature	Non operational	- 20		+ 85	°C
Dimension	L65 x W45 x H22				mm
Cooling	Free air convection				

INPUT SPECIFICATIONS

Characteristics	Conditions	min.	typ.	max.	unit	
Input voltage range	Tamin ... Ta max, Io nom	DC in	9	12	30	VDC
		AC in	19.2	24	28.8	VAC
Line frequency	Vi nom, Io nom	50		60	Hz	
Input voltage w/o damage	Io nom			30	VDC	
Startup voltage	Io nom		8.5		VDC	
Input filter	Pi type					

SPECIFICATION

All Specifications Typical At Nominal Line, Full Load, 25°C Unless Otherwise Noticed

OUTPUT SPECIFICATIONS

Characteristics	Conditions		min.	typ.	max.	unit
Output voltage accuracy	Vi nom, Io nom	5V			±2	%
		12V			±5	%
Output current	Vi nom	5V	200		300	mA
		12V	70		150	mA
Line regulation	Io nom, Vi min ...Vi max	5V			±2	%
		12V			±5	%
Load regulation	Vi nom, Io 0 ...Io nom	5V			±2	%
		12V			±5	%
Ripple & noise	Vi nom, Io nom, BW = 20MHz	5V			50	mV
		12V			100	mV
Temperature coefficient	Vi nom, Io nom			6.1	% / °C	
Efficiency	Vi nom, Io nom, Po / Pi		Up to 70%			

CONTROL AND PROTECTION

Characteristics	Conditions	min.	typ.	max.	unit
L / L synchronous signal	Square wave output for Camera in line lock operation				
Output short circuit	Continuous				

PHYSICAL CHARACTERISTICS

SIZE	65 x 45 x 22 mm 2.56 x 1.77 x 0.87 inches
WEIGHT	38 g