SAD02-9559

DC - DC CONVERTER
2W



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		L32 x W32 x H15			mm
Cooling	Free air convection				

INPUT SPECIFICATIONS

Characteristics	Conditions		min.	typ.	max.	unit
Input voltage range	Ta min ...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					

CHINFA ELECTRONICS IND. CO., LTD.
ISO 9001 Certified

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OUTPUT SPECIFICATIONS

Characteristics	Conditions		min.	typ.	max.	unit
Output voltage accuracy	Vi nom, Io nom	5V			± 2	%
		12V			± 5	%
Output current	Vi nom	5V			250	mA
		12V			70	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			200	mV
Temperature coefficient	Vi nom, Io nom			0.1		% / °C
Efficiency	Vi nom, Io nom, Po / Pi		Up to 70%			

CONTROL AND PROTECTION

L / L synchronous signal	Square wave output for Camera in line lock operation
Output short circuit	Continuous

PHYSICAL CHARACTERISTICS

Size	32 x 32 x 15 mm (1.26 x 1.26 x 0.59 inches)
Weight	15 g