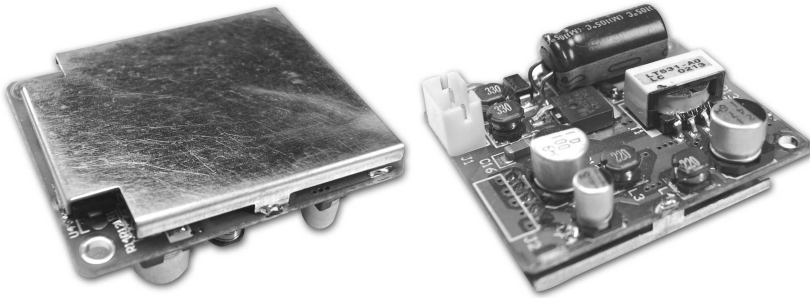


# SAD02-9559

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	$V_i$ nom, $I_o$ nom		80		KHz
Isolation voltage	Input / Output	100			VDC
Ambient temperature	Operating at $V_i$ nom, $I_o$ 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	$T_{amin}$ ... $T_{a max}$ , $I_o$ nom				
	DC in	9	12	30	VDC
	AC in	19.2	24	28.8	VAC
Line frequency	$V_i$ nom, $I_o$ nom	50		60	Hz
Input voltage w/o damage	$I_o$ nom			30	VDC
Startup voltage	$I_o$ 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		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