

FEATURES:

7PIN SIP Package

High Efficiency up to 82%

Output Continuous Short Circuit Protection

Unregulated Output Types

Internal SMD Construction

Industry Standard Pinout Operating Temperature:-40°C TO +105°C



Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Voltage	Output Current	Ripple & Noise		Efficiency	Package Style
	Vdc	mA	Typ(mVp-p)	Max(mVp-p)	%Typ	
AS1A-05S05H	5	200	60	100	80	H
AS1A-05S09H	9	112	60	100	80	H
AS1A-05S12H	12	84	60	100	80	H
AS1A-05S15H	15	67	60	100	80	H
AS1A-12S05H	5	200	60	100	80	H
AS1A-12S09H	9	112	60	100	80	H
AS1A-12S12H	12	84	60	100	82	H
AS1A-12S15H	15	67	60	100	81	H
AS1A-15S05G	5	200	60	100	78	G
AS1A-15S09G	9	112	60	100	79	G
AS1A-15S12G	12	84	60	100	79	G
AS1A-15S15G	15	67	60	100	79	G
AS1A-24S05G	5	200	60	100	77	G
AS1A-24S09G	9	112	60	100	79	G
AS1A-24S12G	12	84	60	100	79	G
AS1A-24S15G	15	67	60	100	79	G
AS1A-24S24G	24	42	60	100	81	G
AS1A-05D05H	±5	±100	60	120	80	H
AS1A-05D09H	±9	±56	60	120	80	H
AS1A-05D12H	±12	±42	60	120	80	H
AS1A-05D15H	±15	±34	60	120	80	H
AS1A-12D05H	±5	±100	60	120	80	H
AS1A-12D09H	±9	±56	60	120	80	H
AS1A-12D12H	±12	±42	60	120	82	H
AS1A-12D15H	±15	±34	60	120	81	H
AS1A-15D05G	±5	±100	60	120	78	G
AS1A-15D09G	±9	±56	60	120	78	G
AS1A-15D12G	±12	±42	60	120	78	G
AS1A-15D15G	±15	±34	60	120	78	G
AS1A-24D05G	±5	±100	60	120	78	G
AS1A-24D09G	±9	±56	60	120	79	G
AS1A-24D12G	±12	±42	60	120	79	G
AS1A-24D15G	±15	±34	60	120	78	G

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	Vo, Io Nom			±10	%
Filter	Capacitor				

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	100% full load			±5	%
Short Circuit Protection	Continuous				
Line Regulation	For 1.0% OF Vin		1.2		%
Load Regulation	5V,9V (10% To 100% F.L)			15	%
Load Regulation	12~24V (10% To 100% F.L)			10	%
Load Regulation	±5V,±9V (10% To 100% F.L)			15	%
Load Regulation	±12~±24V (10% To 100% F.L)			10	%

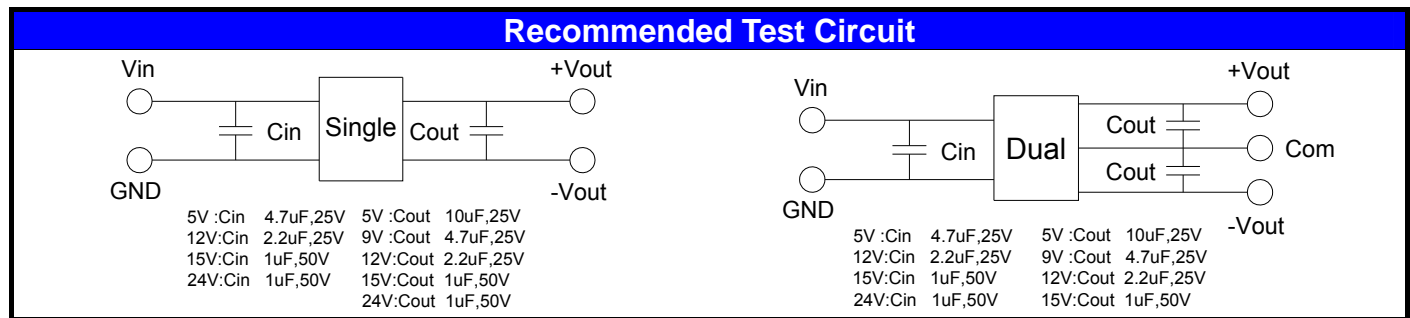
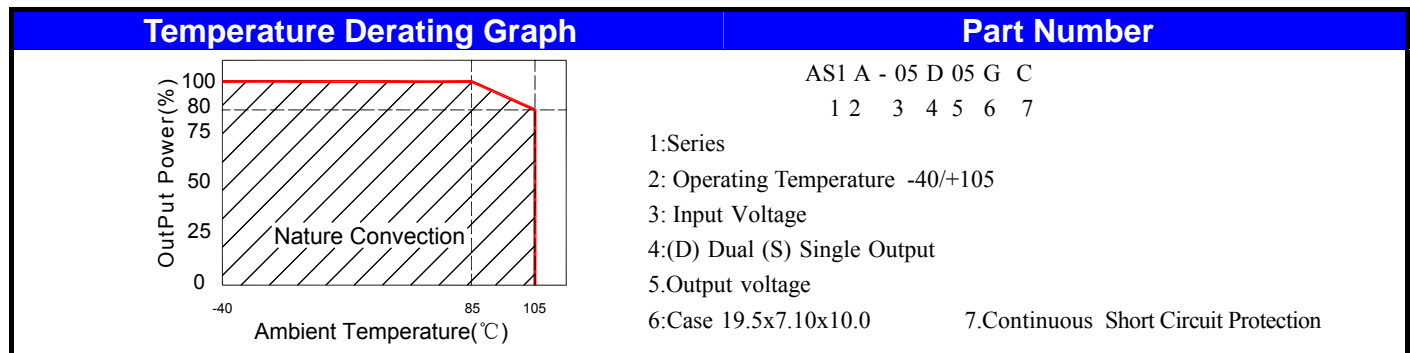
DC-DC Astra
AS1A-xxDxxGHC
AS1A-xxSxxGHC

ООО Компания "Элемент"

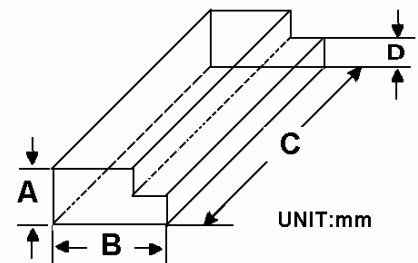
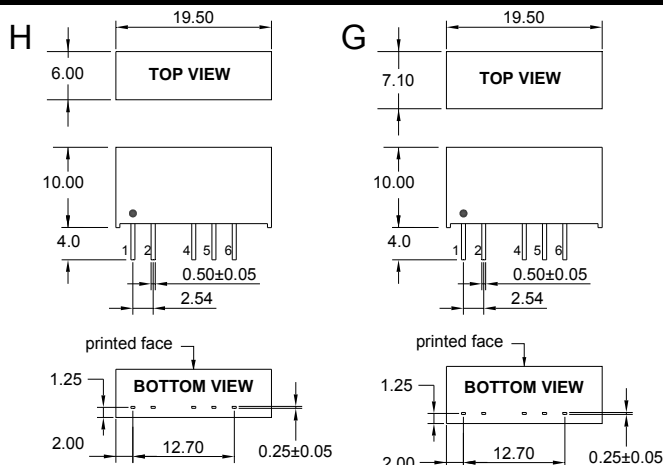


1000Vdc Isolation Single & Dual Output 1 Watt Dc-Dc Converter

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency	Full load,nominal input		100		KHz
Operating Temperature		-40		+105	°C
Storage Temperature		-55		+125	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
MTBF	MIL-HDBK-217F@25°C	3500000			Hours
Weight	PackageH or PackageG		2.1 or 2.7		g
Dimensions	PackageH or PackageG			19.5x6.0x10.0 or 19.5x7.1x10.0	mm



Markings and dimensions **Packaging**



UNIT:mm Unless otherwise specified,all tolerances are ±0.25

PIN Connection					
PIN	1	2	4	5	6
Single	+Vin	-Vin	-Vout	No Pin	+Vout
Dual	+Vin	-Vin	-Vout	Com	+Vout

Size(mm)			
A	B	C	D
9.5	16.5	522	5.0