

- RATED 1W OUTPUT
- HIGH POWER DENSITY
- 7PIN SIP /14PIN DIP PACKAGE
- G: DUAL OUTPUT; H: SINGLE OUTPUT
- INDUSTRIAL STANDARD PIN-OUT
- NO HEAT SINK REQUIRED
- 6KVDC ISOLATION
- FIXED INPUT
- UNREGULATED OUTPUT
- PCB MOUNTING



ELECTRICAL SPECIFICATIONS

All specifications tested typically @ 25°C, humidity<75%, nominal input and rated output unless otherwise noted.

OUTPUT SPECIFICATIONS

Items:	Testing condition	Min	Typ	Max
Output accuracy:	At full load and nominal Vin			±5%
Output power:		0.1W	1W	1W
Line regulation:	For Vin change of 1%			1.2
Load regulation:	From 20% to full load		10%	8%
Ripple and noise:	20MHz bandwidth			150 mV p-p
Temperature drift:				±0.02 %/°C
Minimum load				10%
Switching frequency			90KHz	
Short circuit protection	Momentary			

INPUT SPECIFICATIONS

Items:	Testing condition	Min	Typ	Max
Input voltage range	3.3 VDC nominal input		3-3.6VDC	
	5 VDC nominal input		4.5-5.5VDC	
	9 VDC nominal input		8.1-9.9VDC	
	12VDC nominal input		10.8-13.2VDC	
	15 VDC nominal input		13.5-16.5VDC	
	24VDC nominal input		21.6-26.4VDC	

COMMON SPECIFICATIONS

Items		Min	Typ.	Max
Operating temperature range		-40°C		+85°C
Storage temperature range		-55°C		+105°C
Humidity				<90%
Cooling	Free Air Convection			
Isolation voltage (VDC)	Input to Output		6,000	
Isolation resistance (ohms)			10 ⁹	
Isolation capacitance (pF)				30

Efficiency (%)	See Product List	72	80	
Case material	Non-conductive black plastic			
Potting material	Epoxy Resin UL94-V0			
Packing material	Tube			
Dimension (mm / inch) (L*W*H)	19.5*7.00*9.50 (0.76*0.28*0.37)			
Weight (g)	10			
MTBF (Hrs)	>1,000,000			

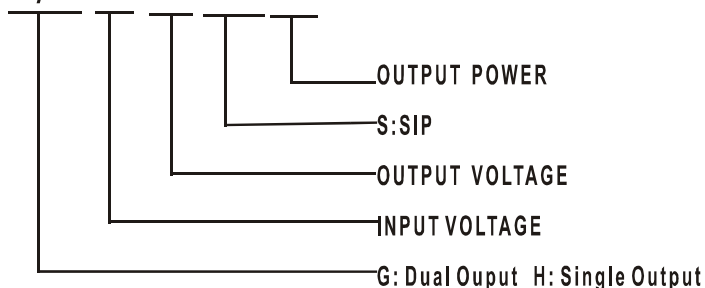
PRODUCT LIST

Part Number	Input Voltage (VDC)			Output		Efficiency (% , Typ.)	Package	Capacitor Load Max uF)
	Range	Nominal	Max.	Current (mA)	Voltage (VDC)			
G0505S-1W	4.5-5.5	5	5.5	±100	±5	71	SIP	4.7
G0512S-1W		5	5.5	±42	±12	80	SIP	1
G0515S-1W		5	5.5	±34	±15	80	SIP	0.47
G1205S-1W	10.8-13.2	12	13.2	±100	±5	80	SIP	4.7
G1212S-1W		12	13.2	±42	±12	78	SIP	1
G2403S-1W	21.6-26.4	24	26.4	±150	±3.3	75	SIP	4.7
G2405S-1W		24	26.4	±100	±5	74	SIP	4.7
G2412S-1W		24	26.4	±42	±12	76	SIP	1
H0503S-1W	4.5-5.5	5	5.5	303	3.3	72	SIP	10
H0505S-1W		5	5.5	200	5	75	SIP	10
H0512S-1W		5	5.5	84	12	70	SIP	2.2
H1205S-1W	10.8-13.2	12	13.2	200	5	70	SIP	10
H1212S-1W		12	13.2	84	12	80	SIP	2.2
H1215S-1W		24	13.2	68	15	78	SIP	1
H2405S-1W	21.6-26.4	24	26.4	200	5	75	SIP	10
H2412S-1W		24	26.4	84	12	77	SIP	2.2
H2415S-1W		24	26.4	76	15	76	SIP	1

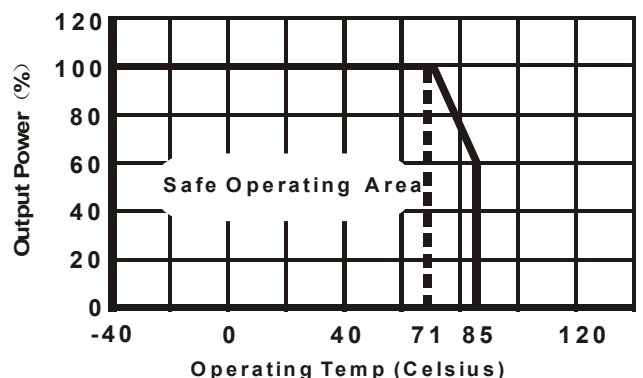
Note: The models above are the typical product model, user-defined products are available. For user-defined products, please enquire us for details.

MODEL SELECTION:

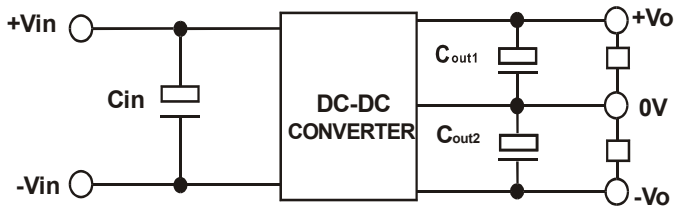
G/H 0505 S- 1W



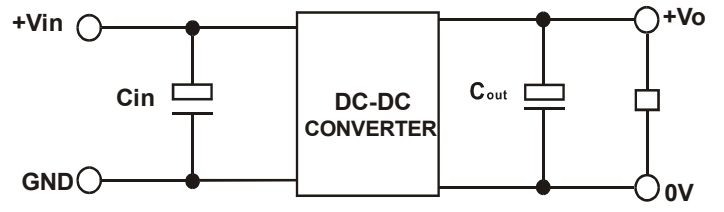
TEMPERATURE DERATING GRAPH



TYPICAL CONNECTION



GxxxxS-1W

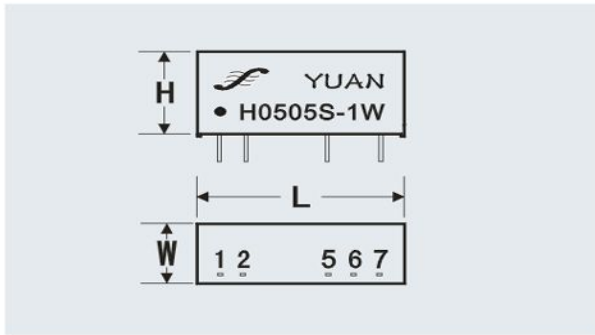


HxxxxS-1W

OUTLINE DIMENSION

Unit:mm

SIZE	SIP(LxWxH)	DIP(LxWxH)
1W	19.6x7.0x10	



封装	Vin	GND	-Vo	0V	+Vo
GS	1	2	5	6	7
HS	1	2	-	5	7

PIN DESCRIPTION

HxxxxS-1W PIN	Definition		GxxxxS-1W PIN
1	+Vin	Input	1
2	GND	Input	2
NC	-Vo	Output	5
5	0V	Common	6
7	+Vo	Output	7