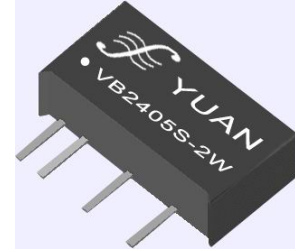


- SINGLE OUTPUT
- S:7Pin SIP PACKAGE
- SINGLE OUTPUT VOLTAGE
- INDUSTRIAL STANDARD PIN-OUT
- NO HEAT SINK REQUIRED
- 1KVDC ISOLATION
- REGULATED OUTPUT VOLTAGE
- PCB MOUNTING



### 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			±2%
Output power:				2W
Line regulation:	Input voltage from low to full load	+/-0.5%max,(3.3 VDC output +/- 1 % max )		
Load regulation:	From 20% to full load			+/- 8 %
Ripple and noise:	20MHz bandwidth		50mVp-p	
Temperature drift:				±0.02 %/°C
Switching frequency		60		125KHz
Short circuit protection	Continue protection>20s			

### INPUT SPECIFICATIONS

Items:	Testing condition	Min	Typ	Max
Voltage range			+/- 10%	
Filter				

### COMMON SPECIFICATIONS

Items		Min	Typ.	Max
Operating temperature range		-40°C		+65°C
Storage temperature range		-55°C		+125°C
Humidity				<90%
Cooling	Free Air Convection			
Leak current	1mA			
Isolation voltage (VDC)	Input to Output		1,000	
Isolation resistance (ohms)			10 <sup>9</sup>	
Isolation capacitance (pF)				60
Efficiency (%)	See Product List	55		75
Case material	Non-conductive black plastic			

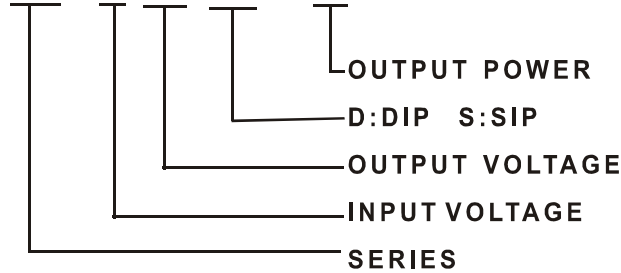
Potting material	Epoxy Resin UL94-V0
Packing material	Tube
Dimension (mm / inch)	SIP: 19.6*6.0*10(0.77*0.24*0.40) DIP: 20.4*10*8.2(0.8*0.4*0.32)
Weight (g)	2~3.5
MTBF (Hrs)	>1,000,000

**PRODUCTS LIST**

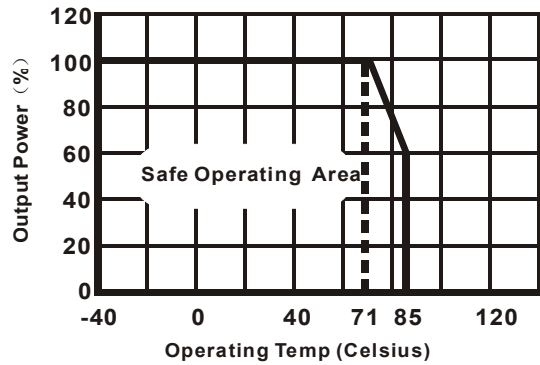
Part No.	Input Signal			Output Signal		Eff.
	Range(VDC)	No-Load Current(mA)	Full-Load current(mA)	Vout(VDC)	Iout (max.mA)	Full-Load (%TYPE)
VB0503S-1W	3.3	35	505	3.3	303	60
VB0505S-1W	4.5~5.5	30	317	5	200	63
VB0512S-1W	4.5~5.5	28	312	12	84	64
VB0524S-1W	4.5~5.5	40	308	24	42	65
VB1203S-1W	10.8~13.2	19	137	3.3	303	61
VB1205S-1W	10.8~13.2	16	130	5	200	64
VB1209S-1W	10.8~13.2	16	126	9	111	66
VB1212S-1W	10.8~13.2	15	123	12	84	68
VB1215S-1W	10.8~13.2	13	123	15	67	68
VB1224S-1W	10.8~13.2	12	130	24	42	63
VB2403S-1W	24	12	67	3.3	303	62
VB2405S-1W	24	10	64	5	200	65
VB2409S-1W	24	9	63	9	111	66
VB2412S-1W	24	8	63	12	84	66
VB2415S-1W	24	7	62	15	67	67
VB2424S-1W	24	8	64	24	42	65
VB0503S-2W	5	50	645	3.3	606	62
VB0505S-2W	5	46	579	5	400	69
VB0509S-2W	5	42	606	9	200	66
VB0512S-2W	5	38	588	12	167	68
VB0515S-2W	5	35	579	15	134	69
VB1205S-2W	12	25	256	5	400	65
VB1209S-2W	12	23	253	9	200	66
VB1212S-2W	12	21	245	12	167	68
VB1215S-2W	12	18	240	15	134	68
VB2405S-2W	24	12	128	5	400	65
VB2409S-2W	24	10	126	9	200	66
VB2412S-2W	24	9	124	12	167	67
VB2415S-2W	24	8	123	15	134	68
VB2424S-2W	24	10	121	24	84	69

NOMENCLATURE

VB 05 05 D/S- 1W

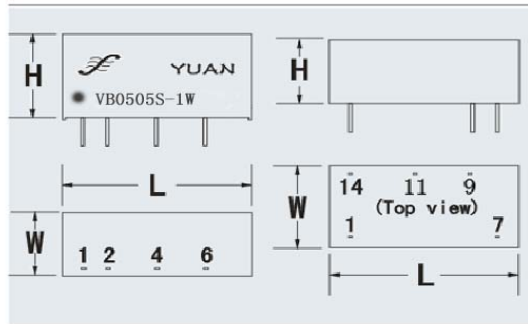


TEMPERATURE DERATING GRAPH



OUTLINE DIMENSION

SIZE	SIP(LxWxH)	DIP(LxWxH)
1W	19.6x6.0x10	20.4x10x6.5
2W	19.6x7.0x10	20.4x10x6.5



PKG	Vin	GND	-Vo	0V	+Vo
VBS	1	2	-	4	6
VBD	14	1	-	11	9

PINS DESCRIPTION

SIP	Connection
1	+Vin
2	GND
4	0V
6	+Vo
3,5,7	omitted

Note: PIN "7" can't connect any component.

