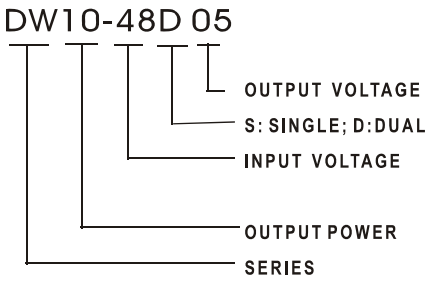
DW wide input regulated single output

6~12 watt output
MTBF > 3,000,000 h
2:1 wide input
Over current and short circuit protection
RoHS Compliant
No heat sink required



Input Characteristic

Input voltage range	5VDC	4.5- 9.0
	12VDC	9- 18
	24VDC	18- 36
	48VDC	36- 72
Capacitor	80 pF	
Start-up time	500ms	
Input filter	Pi filter	

Output Characteristic

Items	Testing condition		Min	Typ	Max
Output accuracy:	At full load and nominal Vin				1.5%
Output power:			10%		120%
Line regulation:	Input voltage from low to full load				0.5%
Load regulation:	From 20% to full load	Single output			0.5%
		Dual Ouput			1.0%
Ripple and noise:	20MHz bandwidth			50	100mVp-p
Temperature drift:					±0.02 %/°C
Minimum load					10%
Switching frequency				300K HZ	
Overload protection	% of full load			120	

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

Common Characteristic

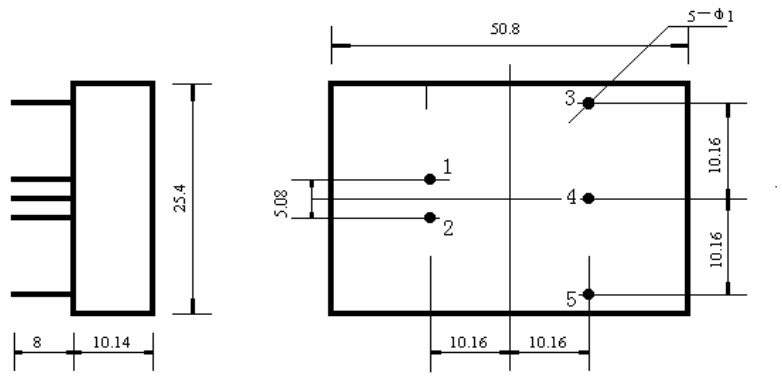
Items		Min	Typ.	Max
Operating temperature range		-25°C		+71°C
Storage temperature range		-55°C		+105°C

Humidity				<90%
Cooling	Breeze of Nature			
Isolation voltage (VDC)	Input to Output		1,500	
Isolation resistance (ohms)			10^9	
Isolation capacitance (pF)				30
Efficiency (%)	See Product List	75		85
Case material	Non-conductive black plastic			
Potting material	Epoxy Resin UL94-V0			
Dimension (mm)	25.40*25.40*10.14			
MTBF (Hrs)	>3,000,000			

Models

Models	Input (Vdc)	Input range	Output current(mA)	Output (Vdc)	Efficiency %
DW6-05S12	5	4.5~9.0	0.50	12.0	80
DW8-12S05	12	9.0~18	1.60	5.0	77
DW10-24S05	24	18~36	2.00	5.0	79
DW10-24S12	24	18~36	0.83	12.0	86
DW10-24S15	24	18~36	0.67	15.0	86
DW10-24D12	24	18~36	±0.41	±12.0	86
DW10-24D15	24	18~36	±0.33	±15.0	86
DW10-48S05	48	36~72	2.00	5.0	83
DW12-48S12	48	36~72	1.00	12.0	87
DW12-48S15	48	36~72	0.83	15.0	87
DW10-48D05	48	36~72	±1.00	±5.0	86
DW12-48D12	48	36~72	±0.50	±12.0	87
DW12-48D15	48	36~72	±0.42	±15.0	87

Dimension and pin definition



Pin Definition		
PIN	Single	Dual
1	Vin	Vin
2	GND	GND
3	+Vo	+Vo
4	NC	0V
5	0V	-Vo