

- HIGH POWER DENSITY
- SIP10 PACKAGE STYLE
- DAUL OUTPUT VOLTAGE
- INDUSTRIAL STANDARD PIN-OUT
- NO HEAT SINK REQUIRED
- 3K VDC ISOLATION
- REULATED OUTPUT VOLTAGE
- PCB MOUNTING


**RoHS COMPLIANT**
**ELECTRICAL SPECIFICATIONS:**

(All specifications tested typically @ 25°C, humidity&lt;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		0.1W		2W
Line regulation	Input voltage from low to full load	+/- 1.2 % / 1.0 % of Vin		
Load regulation	From 20% to full load			±8%
Ripple and noise				50 mV p-p
Temperature drift				±0.02 %/°C
Minimum load				10%
Switching frequency			60~125K HZ	
Short circuit protection	Over load and self-recovery short-circuit protection >20seconds			

**INPUT SPECIFICATIONS**

Items:	Testing condition	Min	Typ	Max
Input voltage range: ±10%	5VDC nominal input	4.5-5.5VDC		
	9VDC nominal input	8.1-9.9VDC		
	12VDC nominal input	10.8-13.2VDC		
	15VDC nominal input	13.5-16.5VDC		
	24VDC nominal input	21.6-26.4VDC		
Input filter	Pi			

**COMMON SPECIFICATIONS**

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

Storage temperature range		-55°C		+105°C
Humidity				<90%
Cooling	Free Air Convection			
Isolation voltage (VDC)	Input to Output		3,000	
Isolation resistance (ohms)			10 <sup>9</sup>	
Isolation capacitance (pF)				60
Efficiency (%)	See Product List	60		85
Case material	Non-conductive black plastic			
Potting material	Epoxy Resin UL94-V0			
Packing material	Tube			
Dimension (mm / inch)	27.5*8.80*11.00 (1.08*0.34*0.43)			
Weight (g)	10			
MTBF (Hrs)	>1,000,000			

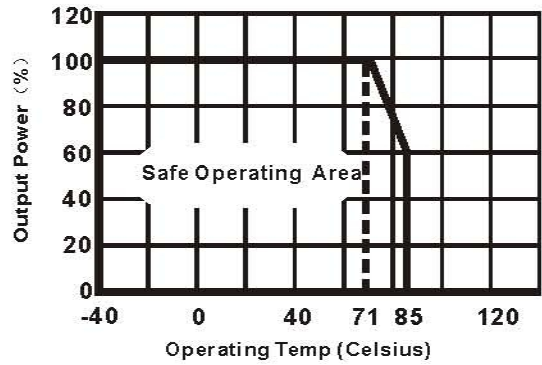
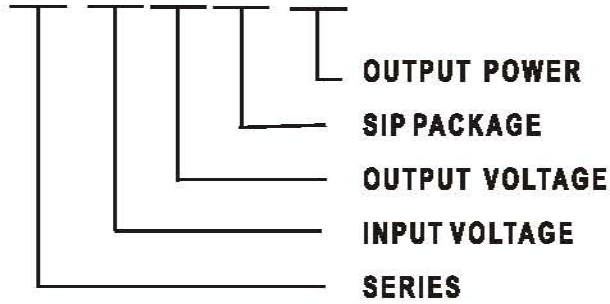
**PRODUCTS LIST**

Part Number	Input Voltage (VDC)			Output		Efficiency (%, Typ.)	Package
	Range	Nominal	Max.	Current (mA)	Voltage (VDC)		
WRE0503S-1W	4.5-5.5	5	5.5	±152	±3.3	63	SIP
WRE0505S-1W	4.5-5.5	5	5.5	±100	±5	67	SIP
WRE0509S-1W	4.5-5.5	5	5.5	±56	±9	71	SIP
WRE0512S-1W	4.5-5.5	5	5.5	±42	±12	74	SIP
WRE0515S-1W	4.5-5.5	5	5.5	±34	±15	75	SIP
WRE0524S-1W	4.5-5.5	5	5.5	±21	±24	76	SIP
WRE0905S-1W	8.1-9.9	9	9.9	±100	±5	67	SIP
WRE0909S-1W	8.1-9.9	9	9.9	±56	±9	69	SIP
WRE0912S-1W	8.1-9.9	9	9.9	±42	±12	75	SIP
WRE0915S-1W	8.1-9.9	9	9.9	±34	±15	79	SIP
WRE0924S-1W	8.1-9.9	9	9.9	±21	±24	79	SIP
WRE1205S-1W	10.8-13.2	12	13.2	±100	±5	68	SIP
WRE1209S-1W	10.8-13.2	12	13.2	±56	±9	71	SIP
WRE1212S-1W	10.8-13.2	12	13.2	±42	±12	73	SIP
WRE1215S-1W	10.8-13.2	12	13.2	±34	±15	74	SIP
WRE1224S-1W	10.8-13.2	12	13.2	±21	±24	79	SIP
WRE1505S-1W	13.5-16.5	15	16.5	±100	±5	69	SIP
WRE1509S-1W	13.5-16.5	15	16.5	±56	±9	73	SIP
WRE1512S-1W	13.5-16.5	15	16.5	±42	±12	80	SIP
WRE1515S-1W	13.5-16.5	15	16.5	±34	±15	81	SIP
WRE1524S-1W	13.5-16.5	15	16.5	±21	±24	82	SIP
WRE2403S-1W	21.6-26.4	24	26.4	±152	±3.3	65	SIP
WRE2405S-1W	21.6-26.4	24	26.4	±100	±5	71	SIP
WRE2409S-1W	21.6-26.4	24	26.4	±56	±9	75	SIP
WRE2412S-1W	21.6-26.4	24	26.4	±42	±12	79	SIP
WRE2415S-1W	21.6-26.4	24	26.4	±34	±15	84	SIP
WRE2424S-1W	21.6-26.4	24	26.4	±21	±24	84	SIP

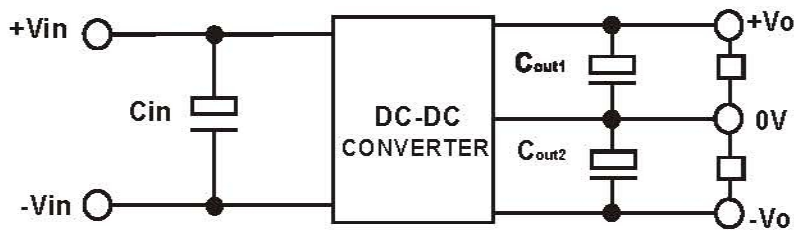
NOMENCLATURE

TEMPERATURE DERATING GRAPH

WRE 05 05 S - 1W



TYPICAL CONNECTION



OUTLINE DIMENSION

PINS DESCRIPTION

SIZE	SIP(LxWxH)	DIP(LxWxH)
	27.4x8.8x11	—

封装	Vin	GND	-Vo	0V	+Vo
WRES	1	2	9	10	7

Pin	Connection	
1	Vin+	Input
2	Vin-	Input
7	Vout+	Output
10	GND	Output
9	Vout-	Output