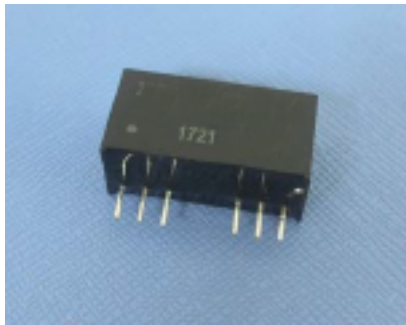




SDC3-**SC/WC**

Series 3Watt DC/DC Power Supply



FEATURES:

- 4:1 Wide Input Voltages Range
- High Efficiency up to 80%
- Regulated Output Types
- Low Ripple And Noise
- Internal SMD Construction
- 3KVDC Isolation
- Operating Temperature:-40 TO +85°C Industry Standard Pinout
- Continuous Short Circuit Protection With Current Foldback.

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

Part Number	Input Voltage Range	Output Voltage Range	Output Current	Efficiency
	Vdc	Vdc	mA	%TYP
SDC3-03SC24S	9-36	3.3	700	68
SDC3-05SC24S	9-36	5	600	70
SDC3-09SC24S	9-36	9	333	75
SDC3-12SC24S	9-36	12	250	78
SDC3-15SC24S	9-36	15	200	80
SDC3-03SC48S	18-75	3.3	700	68
SDC3-05SC48S	18-75	5	600	70
SDC3-09SC48S	18-75	9	333	75
SDC3-12SC48S	18-75	12	250	78
SDC3-15SC48S	18-75	15	200	80

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	Vo, Io Nom			4:1	
Filter	Capacitor				

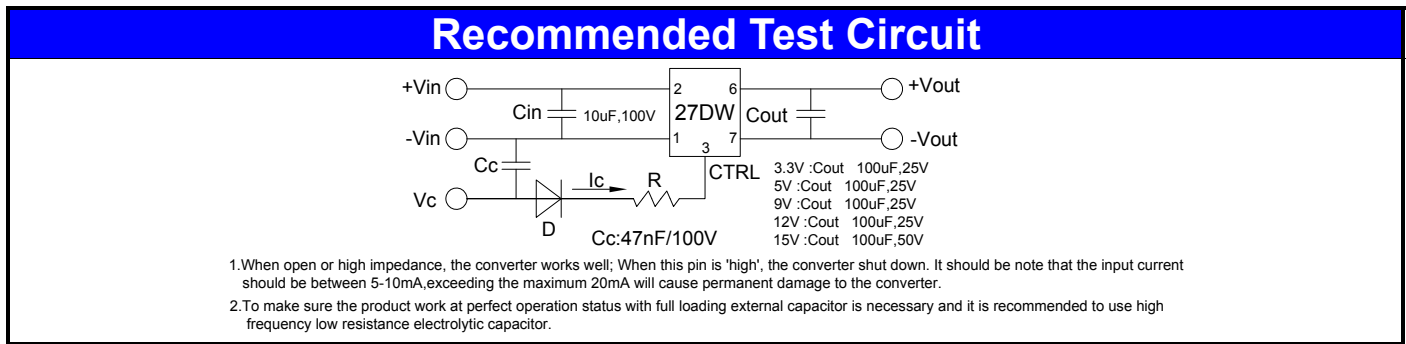
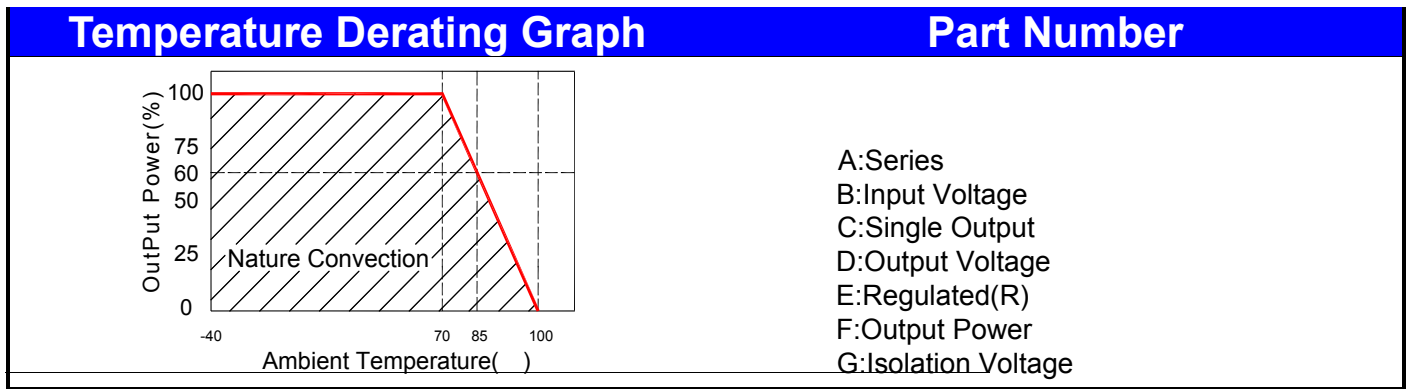
Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance	100% full load			± 3	%
Short Circuit Protection	Continuous				
Line Regulation	Regulated			± 0.5	%
Load Regulation	Regulated			± 0.8	%
Ripple & Noise	Output:3.3-9V TYPES BW=DC To 20MHz			100	mVp-p
Ripple & Noise	Output:12-15V TYPES BW=DC To 20MHz			1% of Vout	mVp-p
Transient response setting time	50% load step change		350		us





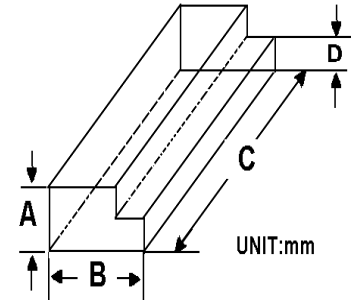
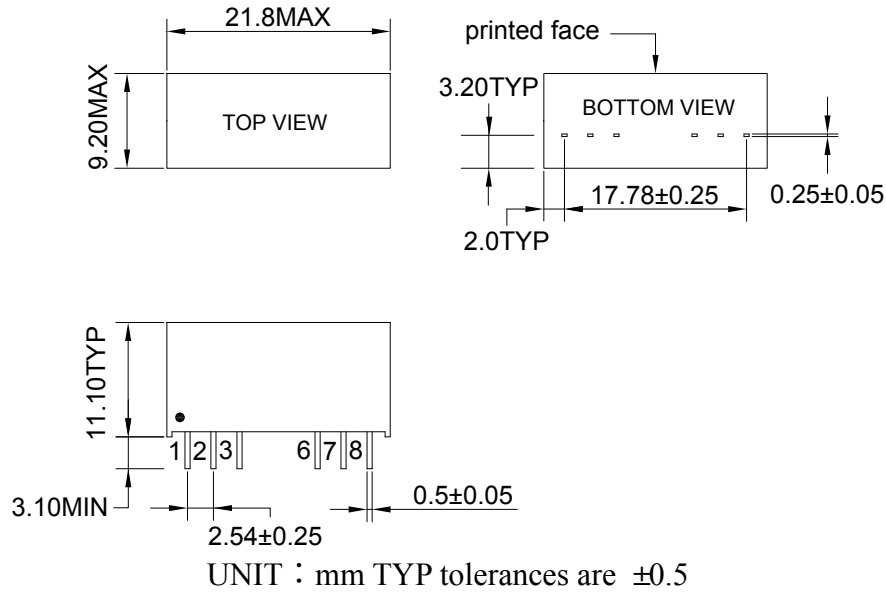
General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switching Frequency	Full load,nominal input		100		KHz
Operating Temperature		-40		85	
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
MTBF	MIL-HDBK-217F@25	1500000			Hours
Weight			4.5		g
Dimensions			21.8X9.2X11.1		mm





Markings and Dimensions

Packaging



Size(mm)			
A	B	C	D
12.0	28.55	550	6.00

PIN Connection

PIN	1	2	3	6	7	8
Single	-Vin	+Vin	Ctrl-Control input can (can be left open)	+Vout	-Vout	NC

