



Features :

- $\pm 10\%$ Input Range
- Miniature Package(SIP7 Package)
- Efficiency Up to 81%
- SMT Technology
- Low Cost



★ Isolation 3000VDC

Model List

1W Model Number	Input Voltage VDC	Input Current Full Load(mA)	Output Voltage VDC	Output Current mA	Efficiency %
TDC01-05S3V3	5 (4.5~5.5)	235	3.3	260	73
TDC01-05S05V		265	5	200	76
TDC01-05S12V		260	12	85	79
TDC01-05S15V		245	15	65	80
TDC01-05D05V		265	± 5	± 100	76
TDC01-05D12V		270	± 12	± 45	80
TDC01-05D15V		265	± 15	± 35	80
TDC01-12S3V3	12 (10.8~13.2)	100	3.3	260	74
TDC01-12S05V		105	5	200	79
TDC01-12S12V		105	12	85	80
TDC01-12S15V		105	15	65	80
TDC01-12D05V		105	± 5	± 100	80
TDC01-12D12V		110	± 12	± 45	81
TDC01-12D15V		110	± 15	± 35	81
TDC01-24S3V3	24 (21.6~26.4)	50	3.3	260	73
TDC01-24S05V		55	5	200	76
TDC01-24S12V		55	12	85	79
TDC01-24S15V		50	15	65	80
TDC01-24D05V		55	± 5	± 100	76
TDC01-24D12V		57	± 12	± 45	79
TDC01-24D15V		55	± 15	± 35	80



Input Specifications

Input Voltage	05V Input Models	4.5~5.5VDC
	12V Input Models	10.8~13.2VDC
	24V Input Models	21.6~26.4VDC
Input Filter	Pi Type	
Absolute Maximum Input Voltage	05V Input Models	9VDC
	12V Input Models	18VDC
	24V Input Models	30VDC

Output Specifications

Output Voltage Accuracy	±3%	
Ripple & Noise (20MHz BW)	3.3V, 5V	100mVp-p max.
	Others	1% V _{P-P} max. of output voltage
Line Regulation	±1.5% max.	
Load Regulation	Single Output	±10% max.
	Dual Output	±10% max.
Over Load Protection	≧ 110% of full Load	

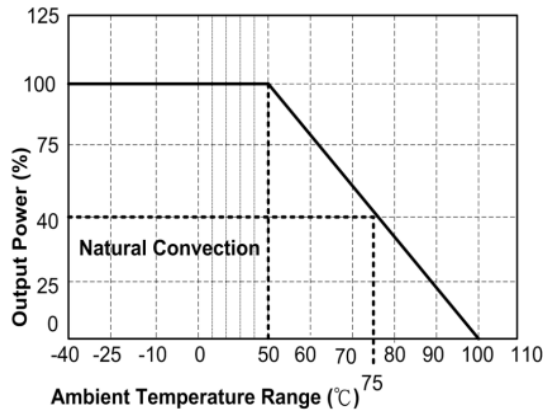
General Specifications

Switching Frequency	100KHz Typical	
Isolation Voltage	3000VDC	
Isolation Resistance	500VDC	≧ 1000M ohm
Operating Temperature Range	With derating	-25°C to +70°C
Storage Temperature Range	-40°C to +125 °C	
Maximum Case Temperature	+90°C	
Cooling	Free-air Convection	
Temperature Coefficient	±0.05%/	°C max
Humidity	95%RH	
Case Material	Non-Conductive Black Plastic	
Potting Material	Epoxy	Flammability to UL94V-0



Dimension	0.77"×0.24"×0.4"
Weight	3g
Soldering Temperature	260°C/10S max.

Derating Graph



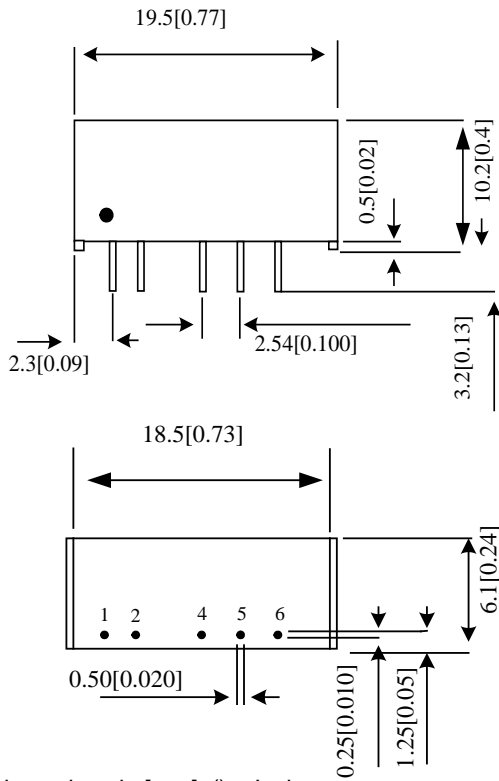
If you need more detailed information,
please contact us via email at info@tecsag.com

Notes

1. All specifications are typical at $T_a=25^{\circ}\text{C}$, nominal input voltage, resistive load and rated output current unless otherwise noted
2. All specifications are subject to change without notice.
3. Maximum value is measured at nominal input voltage and full load.



Outline Dimensions



Pin Connections

Pin	Single	Dual
1	+Vin	+Vin
2	- Vin	- Vin
4	- Vout	- Vout
5	No Pin	Common
6	+Vout	+Vout

Tolerance	Millimeters	Inches
	.X ±0.25	.XX ±0.01
	.XX ±0.25	.XXX±0.01
Pin	±0.05	±0.002

Pin Patterns

Bottom View (2.54mm / 0.1inch grids)

