

DESIS

1Watt Dual Separate Output DC - DC Converter

FEATURES

- Single in line package / Twin Output / 100% burned in
- 1W unregulated output power / High efficiency
- UL 94V-0 package material
- Internal SMD Technology

SPECIFICATIONS

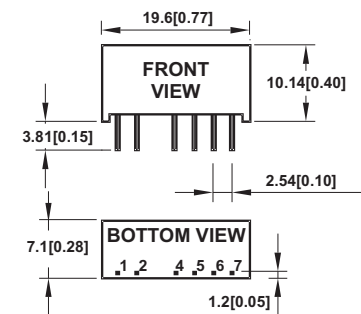
Input Voltage Range $\pm 10\%$ max.
 Input Filter.....Capacitor Type
 Input Reflected Ripple50mVp-p max.
 Voltage Accuracy..... $\pm 2\%$ max.
 Ripple & Noise (20MHz BW).....100mVp-p max.
 Load Regulation..... $\pm 8\%$ max.
 Line Regulation..... $\pm 1.2\%$ max.
 Short Circuit Protection Momentary
 Efficiency.....70%-82%
 Min Load20% of full load
 Isolation Voltage.....1500VDC min.
 Isolation Resistance..... $10^9\Omega$ min.
 Switching Frequency..... 100KHz min.
 Case Size.19.6mm x 7.1mm x 10.2mm
 Weight2.1g
 Operating Temperature..... -40°C To +71°C
 Storage Temperature..... -55°C To +125°C
 Case Material..... Non-Conductive Plastic



Model Number	Input Voltage (VDC)	Output Voltage (VDC)		Output Current (mA)		Input Current (mA)		EFF. (%)
		Out 1	Out 2	Out 1	Out 2	Full Load	No Load	
DI01-04A	5	5	3.3	100	152	286	34	70
DI01-04	5	5	5	100	100	285	34	78
DI01-04E	5	5	9	100	56	251	33	80
DI01-04F	5	5	12	100	42	250	35	80
DI01-04G	5	5	15	100	34	250	35	80
DI01-64	12	5	5	100	100	119	15	70
DI01-64E	12	5	9	100	56	104	14	80
DI01-64F	12	5	12	100	42	102	14	82
DI01-64G	12	5	15	100	34	104	14	80

MECHANICAL DRAWING (Unit: mm(inch))

PIN	Twin
1	+Vin
2	-Vin
4	+Vout1
5	-Vout1
6	+Vout 2
7	-Vout 2



DWISO3

3Watts Twin Output DC - DC Converter

FEATURES

- 3W DIP 24 Package
- 4:1 Input Range
- Twin Output
- Typical Efficiency 80%
- Regulated Output
- UL94-V0 Package Material

SPECIFICATIONS

Input Voltage Range.....4:1 Range
 Input Filter.....PI Network
 Voltage Accuracy..... $\pm 2\%$ max.
 R&N (20MHz BW).....100mVp-p max
 Temperature Coefficient..... $\pm 0.05\%/^{\circ}\text{C}$
 Load Regulation..... $\pm 0.5\%$ max
 Line Regulation $\pm 1.0\%$ max
 Short Circuit Protection Continuous
 Min Load10% of full load
 Switching Frequency..... 50KHz min
 Isolation Voltage.....1500VDC min
 Case Size31.8mmx20.3mmx12.2mm
 Operating Temperature -40°C To +71°C
 Storage Temperature -55°C To +125°C

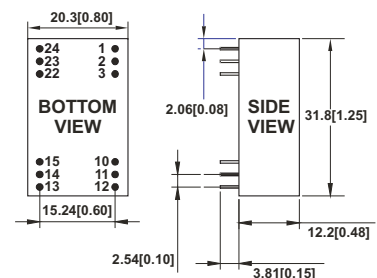


Model Number	Input Voltage (VDC)	Output Voltage V1, V2 (VDC)	Output Current V1, V2 (mA)	EFF. Typ. %
Twin (Dual separate) Output (Package F)				
DWI03-44	9-36	5	300	72
DWI03-45	9-36	12	125	78
DWI03-46	9-36	15	100	78
DWI03-46A	9-36	24	63	79
DWI03-54	18-72	5	300	74
DWI03-55	18-72	12	125	80
DWI03-56	18-72	15	100	80
DWI03-56A	18-72	24	63	82

MECHANICAL DRAWING (Unit: mm(inch))

Package F

PIN CONNECTION	
PIN	Separate
1 & 24	+Vin
2 & 23	-Vout 2
3 & 22	+Vout 2
10 & 15	-Vout 1
11 & 14	+Vout 1
12 & 13	-Vin



*N.P.=No Pin
 N.C.=No Connection