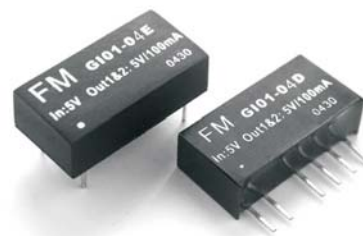


1 Watt Twin Output DC - DC Converter



FEATURES

- Efficiency up to 80%
- Small Footprint
- Twin Output Voltage
- 1KVDC Isolation
- Industry Standard Pinout
- UL94-V0 Package
- Internal SMD Instruction
- No external Component Required

SPECIFICATIONS

Input Voltage Range.....See model list
 Line Regulation¹.....3.3V: $\pm 1.5\%$ / Others: $\pm 1.2\%$ max.
 Load Regulation².....3.3V: 12%; 5V: 10%; 9V: 8.3%
 12V: 6.8%; 15V: 6.3%; 24V: 5% Typ.
 Temperature Drift, 100% load..... $\pm 0.03\%/^{\circ}\text{C}$ Max.
 Ripple & Noise (20MHz BW).....75mVp-p Max.
 Short Circuit Protection³.....1 second
 Isolation Voltage⁴.....3000VDC
 Isolation Resistance⁵.....1000M Ω Min.
 Switching Frequency.....100KHZ Min.
 MTBF.....3500K hours
 Storage Humidity Range.....95% Max.
 Operating Temperature Range..... $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
 Storage Temperature Range..... $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
 Temperature Rise at Full Load..... 25°C (Max)
 Lead Temperature⁶..... 300°C
 Cooling.....Free Air Convection
 Case Material.....Plastic (UL94-V0)
 Weight.....2.1g

Note:

- (1) For V_{in} change of $\pm 1\%$
 (2) 10% to 100% Load
 (3) Supply vol. must be discontinued at the end of short circuit duration
 (4) Tested for 1 minute and 1mA max.
 (5) Test at 500VDC
 (6) 1.5mm from case for 10 seconds

Model Number	Input Voltage (VDC)		Output			Eff. % (Typ.)
	Nominal	Range	V_{o1}, V_{o2} (VDC)	I_{o1}, I_{o2} (mA)	Max Min	
GI01-04 (D/E)	5	4.5~5.5	5/5	100/100	10/10	70
GI01-05 (D/E)	5	4.5~5.5	12/12	42/42	4/4	77
GI01-06 (D/E)	5	4.5~5.5	15/15	33/33	3/3	78
GI01-64 (D/E)	12	10.8~13.2	5/5	100/100	10/10	72
GI01-64D (D/E)	12	10.8~13.2	9/9	56/56	6/6	78
GI01-65 (D/E)	12	10.8~13.2	12/12	42/42	4/4	78
GI01-66 (D/E)	12	10.8~13.2	15/15	33/33	3/3	80
GI01-74 (D/E)	24	21.6~26.4	5/5	100/100	10/10	71
GI01-74D (D/E)	24	21.6~26.4	9/9	56/56	6/6	74
GI01-75 (D/E)	24	21.6~26.4	12/12	42/42	4/4	76
GI01-76 (D/E)	24	21.6~26.4	15/15	33/33	3/3	76

Remark:

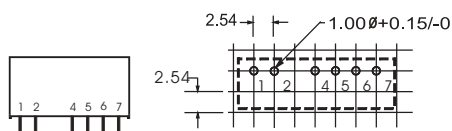
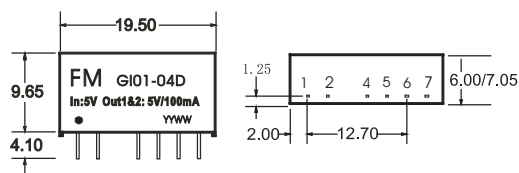
- 1). Specify case type when ordering
 2). Suffix "D" for case D - 7 PIN SIP ; "E" for case E - 14 PIN DIP

MECHANICAL DRAWING (Unit: inches (mm))

Case D

Side View

Bottom View

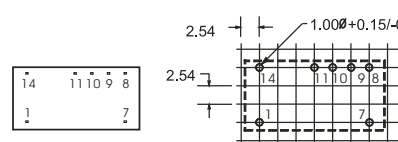
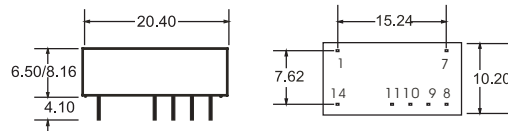


Pin	Function
1	Vin
2	GND
4	0V1
5	+Vo1
6	0V2
7	+Vo2

Case E

Side View

Bottom View



Pin	Function
1	Vin
2	GND
7	NC
8	+Vo2
9	0V2
10	+Vo1
11	0V1
14	Vin

*N.C. = No Connection