

2 Watts SMD Type DC - DC Converter

FEATURES

- ♦ 2W Unregulated Output Power
- ♦ High Efficiency
- ♦ SMD Technology
- ♦ 3 Years Warranty
- ♦ UL 94V-0 Package Material
- ♦ 100% Burn In
- ♦ MTBF > 888,000 Hours

SPECIFICATIONS

Input Voltage Range	 ±10% max.
Input Filter	Capacitor Type
Protection	Fuse Recommended
Voltage Set-Point Accuracy	± 2% max.
Temperature Coefficient	± 0.03%/°C
Ripple & Noise (20MHz BW)	150mVp-p max.
Line Regulation ¹	± 1.2% max.
Load Regulation ²	± 8% max.
Minimum Load	10% of full load
Short Circuit Protection	Momentary
S-Suffix	Continuous
Efficiency	75%-83% max.
Short Circuit Restart	Automatic
Isolation Voltage ³	3000VDC min.
Isolation Resistance	10 ⁹ Ω min.
Switching Frequency	100KHz typ.
Isolation Capacitance	80pF max.
Operating Temperature	-40°C To +85°C
Cooling	Free-Air Convection
Case Material	Non-Conductive Plastic
Case Size	15.24*11.1*7.1 mm
Weight	1.2g

Note:

(1) Line Regulation is for a 1.0% change in input Voltage.

(2) Load Regulation is for output Load current change from 20% to 100%.

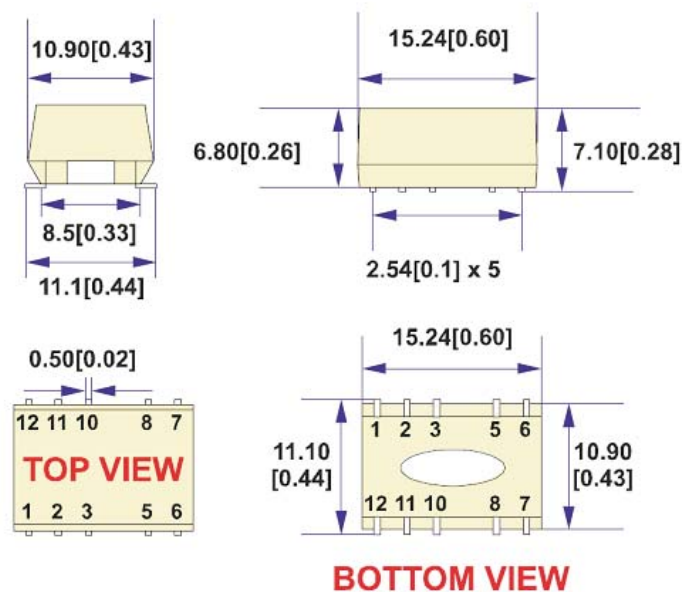
(3) For 3 seconds



Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EFF. % (min.)
DU02-01E(S)	5	5	400	78
DU02-02E(S)	5	12	167	80
DU02-03E(S)	5	15	133	81
DU02-04E(S)	5	±5	±200	78
DU02-05E(S)	5	±12	±84	80
DU02-06E(S)	5	±15	±67	81
DU02-61E(S)	12	5	400	80
DU02-62E(S)	12	12	167	81
DU02-63E(S)	12	15	133	83
DU02-64E(S)	12	±5	±200	80
DU02-65E(S)	12	±12	±84	81
DU02-66E(S)	12	±15	±67	83
DU02-71E(S)	24	5	400	78
DU02-72E(S)	24	12	167	79
DU02-73E(S)	24	15	133	80
DU02-74E(S)	24	±5	±200	78
DU02-75E(S)	24	±12	±84	79
DU02-76E(S)	24	±15	±67	80

* Optional continuous short circuit protection, please suffix S on model # when ordering.

MECHANICAL DRAWING (Unit: mm[inch])



All dimensions are in mm[inches]

Pin Connection

Pin #	Single	Dual
1	Vi-	Vi-
2	Vi+	Vi+
3	NC	NC
5	Vo-	COM
6	NC	Vo-
7	NC	NC
8	Vo+	Vo+
10	NC	NC
11	NC	NC
12	NC	NC

Note:

All dimensions are in mm[inches]

(1) Pin Size is 0.50x0.30mm[0.02"x0.01"].

(2) Pin is Tolerance .xx=±0.05mm.

(3) Tolerance .X=±0.5mm

