

10 Watts DIP-24 Type Medical Grade DC - DC Converter

FEATURES

- ◆ Safety Meets EN60601-1 3rd EDITION For 2 x MOPP
- ◆ Creepage Distance And Clearance > 8mm
- ◆ OVP/UVF/Short Circuit Protection
- ◆ 9-36V, 18-75V wide Input Range
- ◆ Low Leakage Current
- ◆ 3 Years Warranty

SPECIFICATIONS

Input Voltage Range.....9-36V, 18-75V
Surge Vol. (100ms max.).....12Vin:50Vdc ; 24Vin:100Vdc
Input Filter.....Pi Network
Protection.....Fuse recommended
Voltage Accuracy.....±2% max.
Line Regulation¹.....± 0.5% max.
Load Regulation².....± 0.5% max.
Ripple & Noise(20MHzBW)³.....150mVp-p max.
Switching Frequency.....250KHz Typ.
Minimum Load.....10% of Full Load
Short Circuit Protection.....Continuous, automatic recovery
Isolation Voltage (I/P-O/P).....6KVDC or 4.2KVAC
Isolation Resistance.....1000M ohms/500VDC/25 °C/70% RH
Isolation Capacitance.....20pF typ.
Operating Temperature.....-40 °C To +10 °C
Storage Temperature.....-55 °C To +125 °C
Temperature Coefficient.....± 0.05%/ °C
Cooling.....Free-Air Convection
Case Material.....Non-conductive plastic
Case Temperature.....+110 °C max.
Case Size.....31.8*20.3*12.2mm
Weight.....17g Typ.

Note:

(1) High line to Low line.

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

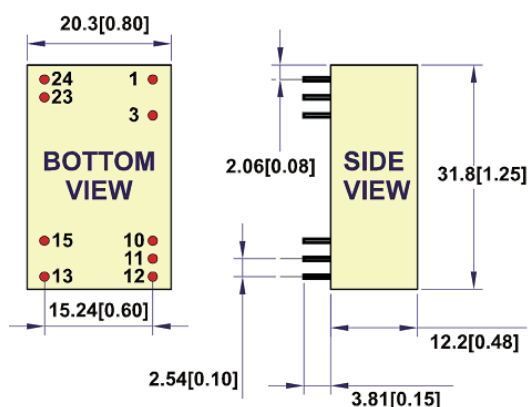
(3) 6000VDC For 1 minute



Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	EFF. (%)
DMW10-41 (R)	9-36	5	2000	84
DMW10-42 (R)	9-36	12	833	87
DMW10-43 (R)	9-36	15	666	87
DMW10-44 (R)	9-36	±5	±1000	84
DMW10-45 (R)	9-36	±12	±417	86
DMW10-46 (R)	9-36	±15	±333	87
DMW10-51 (R)	18-75	5	2000	84
DMW10-52 (R)	18-75	12	833	87
DMW10-53 (R)	18-75	15	666	88
DMW10-54 (R)	18-75	±5	±1000	84
DMW10-55 (R)	18-75	±12	±417	86
DMW10-56 (R)	18-75	±15	±333	87

* Optional Remote On/Off control function, please suffix **R** on model # when ordering.

MECHANICAL DRAWING (Unit: mm[inch])

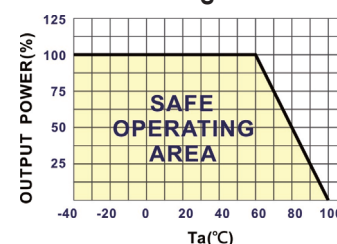


Pin Connection

Pin#	Single	Dual
1	+Vin	+Vin
3	NP/*Remote	NP/*Remote
10	NP	NP
11	NP	Common
12	-Vout	NP
13	+Vout	-Vout
15	NP	+Vout
23	-Vin	-Vin
24	-Vin	-Vin

Note:
NP : No Pin
* If Remote is not selected there is no pin on corresponding number
Pin Size is Tolerance 0.6Φ ±0.05mm.
All dimensions are in mm (inches)
Tolerance .X= or .XX±0.5mm

Derating Curve



Remote On/Off Control

Remote On/Off Control			
Control Input	PIN3	Control Common	PIN23&PIN24
Control Voltage	Converter Shutdown Idle Current 10mA		
ON	>+2.5VDC or Open Circuit		
OFF	<+0.8VDC or Jumper to PIN23&PIN24		
	Logic Compatibility		CMOS or Open Collector TTL