

DATA-SHEET SCHMID-MULTITECH

SC-348



ISSUE DATE : 31.MAR,2006

Rev. 0

3.0 W 2:1 Wide Input Single Output Regulated DC/DC converter

Note: This data sheet only for reference.

ELECTRICAL SPECIFICATIONS

ALL SPECIFICATIONS TYPICAL @25°C, NOMINAL LINE AND FULL LOAD UNLESS OTHERWISE NOTED.

Input Voltage.....	18 ~ 36 Vdc
Input Current (No Load).....	8mA, Typ.
Input Current Limited.....	160.25mA, Typ.
Input Filter.....	LC
Input With External Capacitor.....	10uF, Max.
Output Voltage.....	15.0 Vdc, ± 1%
Output Current (Min Load).....	50mA, Min.
Output Current (Full Load).....	200mA, Max.
Output Ripple & Noise (20 MHz BW)....	60mVp-p, Max.
Short Circuit Protection.....	Continuous
Short Circuit Restart.....	Automatic
Line Regulation.....	± 0.5%, Max.
Load Regulation (25% to 100% Load).....	± 0.5%, Max.
Capacitive load.....	470uF, Max.

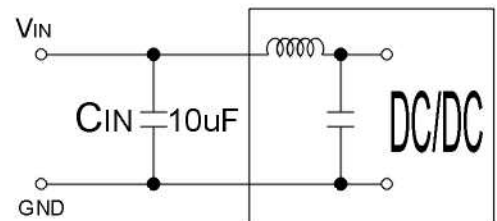
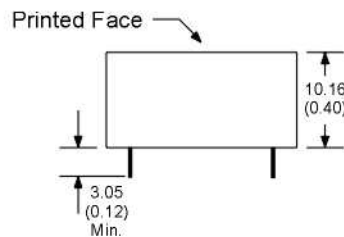
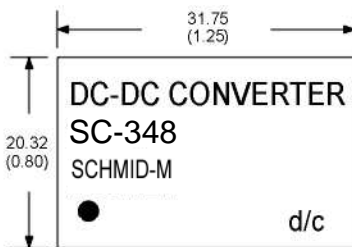
GENERAL SPECIFICATIONS

Efficiency.....	78%, Typ.
Isolation Voltage.....	1500 Vdc, Min.
Isolation Resistance.....	1000 MΩ, Min.
Isolation Capacitance.....	60 pF, Typ.

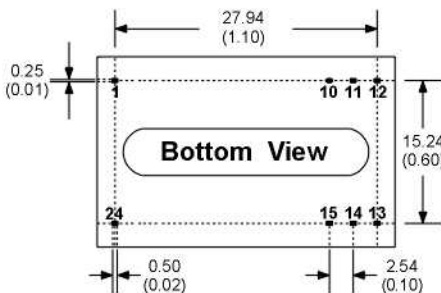
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....	-40°C ~ +85°C
Storage Temperature.....	-40°C ~ +125°C
Cooling.....	Free Air Convection

MECHANICAL DIMENSION



Input With External Capacitor..... 10uF, Max.



24 Pin DIL Package
Non-Conductive Plastic

Notes : All dimensions are typical in millimeters (inches).
Tolerance x.xx = ±0.25 (±0.01)

Pin #	STANDARD
1	+V Input
10	-V Output
11	+V Output
12	-V Input
13	-V Input
14	+V Output
15	-V Output
24	+V Input