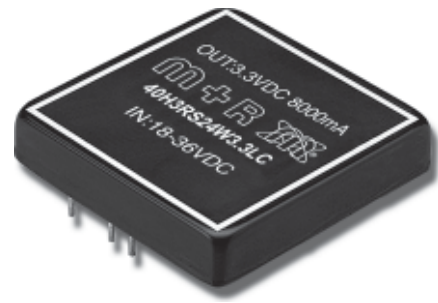


40 Watt

2.0x2.0 Inch Package H3
2:1 Input Range



- o Efficiency up to 90%
- o 350 kHz Switching Frequency
- o 2:1 Input Range
- o Regulated Single Output
- o Continuous Short Circuit Protection
- o Six-Sided Metal Case



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF
				NO LOAD	FULL LOAD	
40H3RS24W3.3LC	18-36 VDC	3.3 VDC	8000 mA	100 mA	1325 mA	87
40H3RS24W5LC		5 VDC	8000 mA		1961 mA	89
40H3RS24W12LC		12 VDC	3333 mA		2048 mA	88
40H3RS24W15LC		15 VDC	2666 mA		1985 mA	89
40H3RS48W3.3LC	36-75 VDC	3.3 VDC	8000 mA	50 mA	655 mA	88
40H3RS48W5LC		5 VDC	8000 mA		969 mA	90
40H3RS48W12LC		12 VDC	3333 mA		1000 mA	89
40H3RS48W15LC		15 VDC	2666 mA		992 mA	89

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS

Input Voltage Range		2:1
Undervoltage lockout	24 Vin power up	17 V
	24 Vin power down	16 V
	48 Vin power up	34 V
	48 Vin power down	32 V
Positiv Logic Remote ON/OFF ³⁾	Logic compatibility Module ON Module OFF	CMOS or Open CollectorTTL, ref. to -Input >3.5 VDC or Open Circuit <1.8 VDC
Input Filter		Pi Type

OUTPUT SPECIFICATIONS

Voltage Accuracy		±1% max.
Transient Response:75%-100% Step Load Change	Error Band Recovery Time	±5% Vout nominal <300µ sec.
Output Voltage Adjustment Range, %Vo		90%-110%
Ripple and Noise at 20 MHz BW (Measured with 0.1 µF MLCC)	3.3V, 5V	20 mV RMS max. 50 mV p-p max.
	12V, 15V	20 mV RMS max. 75 mV p-p max.
Temperature Coefficient		±0.02%/°C
Short Circuit Protection		Continuous (hiccup mode)
Line Regulation ¹⁾		±0.5% max.
Load Regulation ²⁾		±0.5% max.
Over Voltage Protection (Zener Diode Clamp)	3.3 VDC	3.9 VDC
	5 VDC	6.2 VDC
	12 VDC	15 VDC
	15 VDC	18 VDC
Current Limit		110% ~ 140% Nominal Output

NOTE:

1. Measured from High Line to Low Line.

2. Measured from Full Load to 10% Load.

3. Add Suffix "N" to the Model Number for Negative Logic Remote ON/OFF

Module ON.....<1.8 VDC

Module OFF.....>3.5 VDC or Open Circuit

SPECIFICATIONS

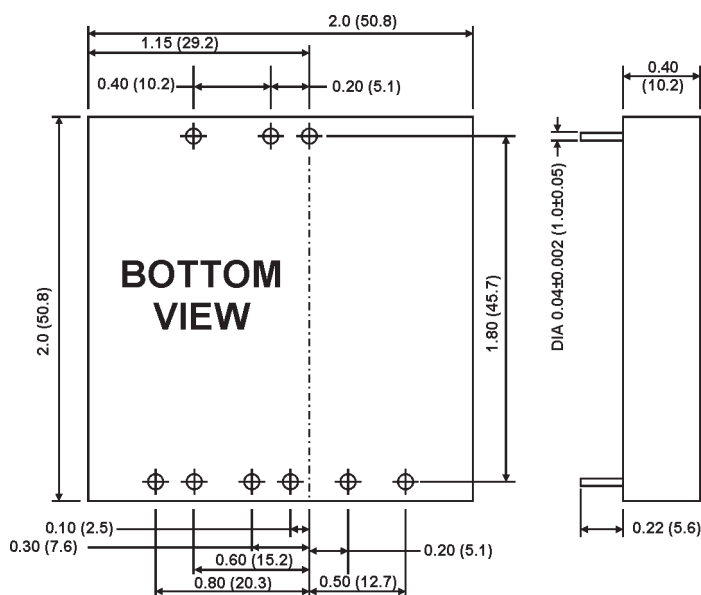
All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

GENERAL SPECIFICATION

Efficiency	see table	
Isolation Voltage	Input / Output	1500 VDC max.
Isolation Resistance		1000 MOhms min.
Switching Frequency		350 kHz
Operating Ambient Temperature		-40°C to +85°C
Case Temperature		100°C max.
Storage Temperature Range		-55°C to +125°C
Derating above 60°C		Linearly to Zero Power at +100°C
Thermal Shutdown, Case Temperature		110°C
Dimensions		2.00 x 2.00 x 0.4 Inches (50.8 x 50.8 x 10.2 mm)
Case Material		Black Coated Copper with Non-Conductive Base
Weight		65 g

MECHANICAL SPECIFICATIONS & DIAGRAMS

Case „H3“

**NOTICE:**

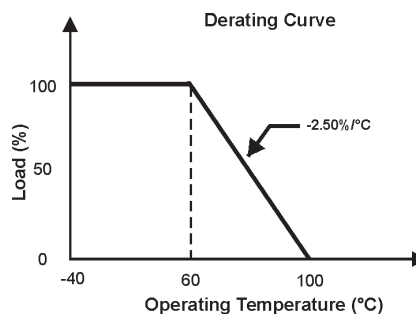
The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies!
Specifications can be changed without notice. The latest and most complete information can be found on our website.

PIN CONNECTIONS

1	+INPUT
2	-INPUT
3	REMOTE CONTROL
4	NOT CONNECTED
5	-SENSE*
6	+SENSE*
7	+OUTPUT
8	-OUTPUT
9	TRIM

* +/-Sense:

If +/-Sense is not being used, the +Sense should be connected to +Vout and likewise the -Sense should be connected to -Vout.



Natural Convection, 20 ft./min. (0.1 m/s)
Case Temperature Limit to +100°C max.