

● **SELECTION GUIDE**
1.8W OUTPUT

MODEL NUMBER	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	INPUT ⁷		EFF (%) ⁸	ISOLATION (VDC)
				CURRENT(mA)			
				FULL LOAD	NO LOAD		
HRS-0505	4.5-5.5	5	360	680	40	53	1500
HRS-0509 ⁹	4.5-5.5	9	200	620	40	58	1500
HRS-0512	4.5-5.5	12	150	620	38	58	1500
HRS-0515	4.5-5.5	15	120	600	38	60	1500
HRS-1205	10.8-13.2	5	360	267	18	56	1500
HRS-1209 ¹⁰	10.8-13.2	9	200	250	18	60	1500
HRS-1212	10.8-13.2	12	150	250	16	60	1500
HRS-1215	10.8-13.2	15	120	241	16	62	1500
HRS-2405	21.6-26.4	5	360	129	9	58	1500
HRS-2409	21.6-26.4	9	200	121	9	62	1500
HRS-2412	21.6-26.4	12	150	121	9	62	1500
HRS-2415	21.6-26.4	15	120	117	8	64	1500
HRS-4805	43.2-52.8	5	360	66	5	57	1500
HRS-4809	43.2-52.8	9	200	64	5	59	1500
HRS-4812	43.2-52.8	12	150	63	5	60	1500
HRS-4815	43.2-52.8	15	120	63	5	60	1500

Note: Other input to output voltages may be available. Please contact factory.

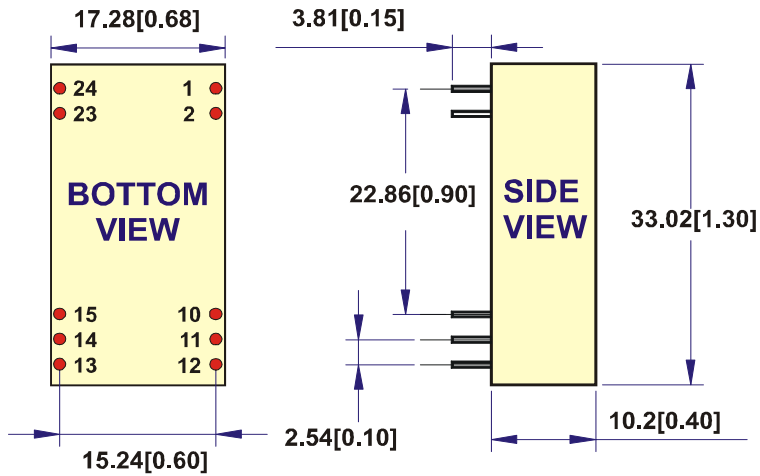
⁷ NOMINAL INPUT VOLTAGE.

⁸ NOMINAL INPUT VOLTAGE, FULL LOAD.

⁹ FOR LAN DC-DC CONVERTER

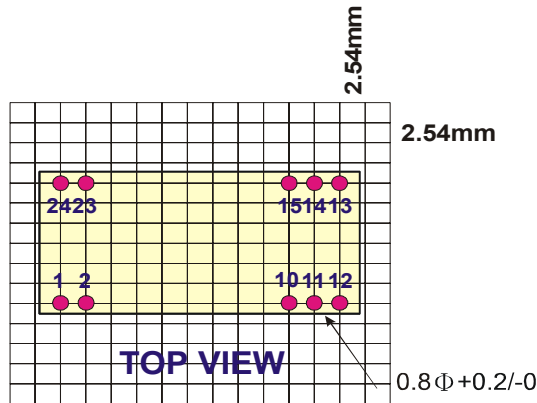
¹⁰ FOR LAN DC-DC CONVERTER

MECHANICAL DIMENSIONS & RECOMMENDED FOOTPRINT DETAILS

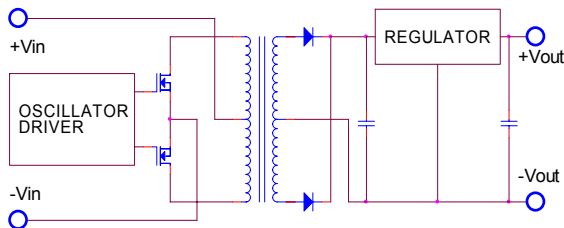


PIN	SINGLE
1&24	+Vin
2&23	NC
10&15	-Vout
11&14	+Vout
12&13	-Vin

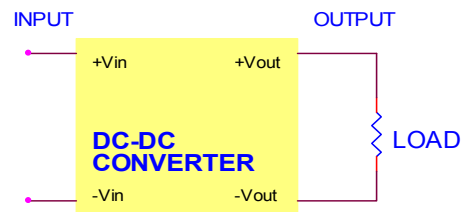
All dimensions are in mm[inches]



SIMPLIFIED SCHEMATIC



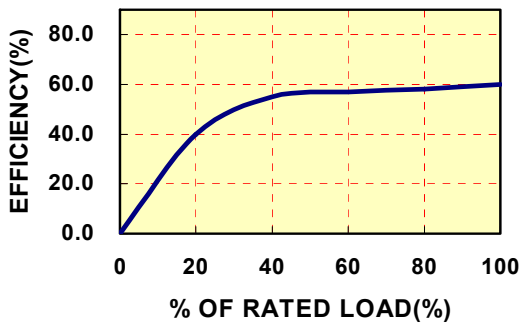
TYPICAL APPLICATIONS



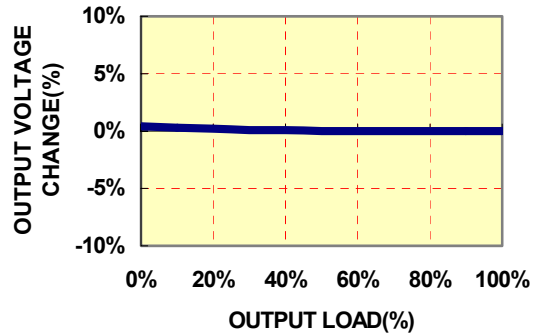
● TYPICAL PERFORMANCE CURVES

Specifications typical at $T_a=25^{\circ}\text{C}$, nominal input voltage, rated output current unless otherwise specified.

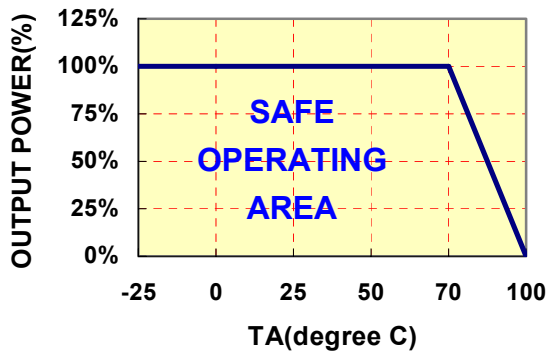
OUTPUT LOAD VS EFFICIENCY



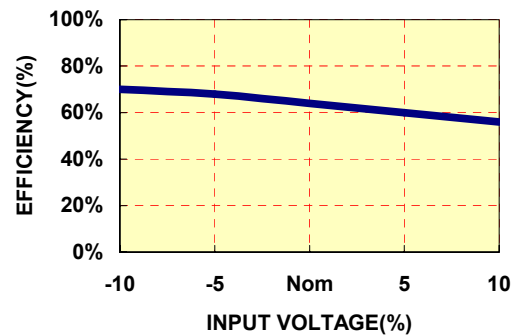
OUTPUT LOAD VS OUTPUT VOLTAGE



TEMPERATURE DERATING



INPUT VOLTAGE VS EFFICIENCY



● INPUT FUSE SELECTION GUIDE

4.5-5.5V	10.8-13.2V	21.6-26.4V	43.2-52.8V
INPUT VOLTAGE(VDC)	INPUT VOLTAGE(VDC)	INPUT VOLTAGE(VDC)	INPUT VOLTAGE(VDC)
1000mA Slow-Blow Type	400mA Slow-Blow Type	250mA Slow-Blow Type	100mA Slow-Blow Type

Note: Certain applications may require the installation of external fuse in front of the input.

HR SERIES APPLICATION NOTES:

EXTERNAL CAPACITANCE REQUIREMENTS:

No external capacitance is required for operation of the HR series.

To meet the reflected ripple requirements of the converter, an input impedance of less than 0.5 ohm from DC to 100KHz is required.

External output capacitance is not required for operation, however it is recommended that 10uF tantalum and 0.1uF ceramic capacitance be selected for reduced system noise.

Additional output capacitance may be added for increased filtering, but should not exceed 220uF.

We Can Offer EMC-Filter According To EN55011/22 Class B.

Negative Outputs:

A negative output voltage may be obtained by connecting the +OUT to circuit ground and connecting -OUT as the negative output.

FOR MORE INFORMATION CALL:

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Home Page

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