

▼ Features :

- ◆ 1.5 ~ 1.8W MINI DIP-24 Package.
- ◆ Internal SMD-Design.
- ◆ Regulated output.
- ◆ Short Circuit Protection – Continuous.
- ◆ 1KVDC Isolation min.
- ◆ UL94V-0 Package Material.

▼ Electrical Specifications :

- ◆ Input Voltage Range ----- ±15%
- ◆ Output Voltage Accuracy----- ±3%
- ◆ Rated Power----- 1.5 / 1.8 W Max
- ◆ Isolation Voltage----- 1KVdc Min.
- ◆ Ripple and Noise@20MHz BW----- 100mV p-p Max.
- ◆ Line Regulation----- ±0.4% Max.
- ◆ Load Regulation(10% to 100% load)--- ±0.8% Max.
- ◆ Operating Frequency----- 80KHz Min.
- ◆ Short Circuit Protection----- Continuous.
- ◆ Operating Temperature Range----- -40 to +80
- ◆ Storage Temperature Range----- -50 to +125
- ◆ Efficiency----- 65%Min.
- ◆ Isolation Resistance----- 1GΩ.

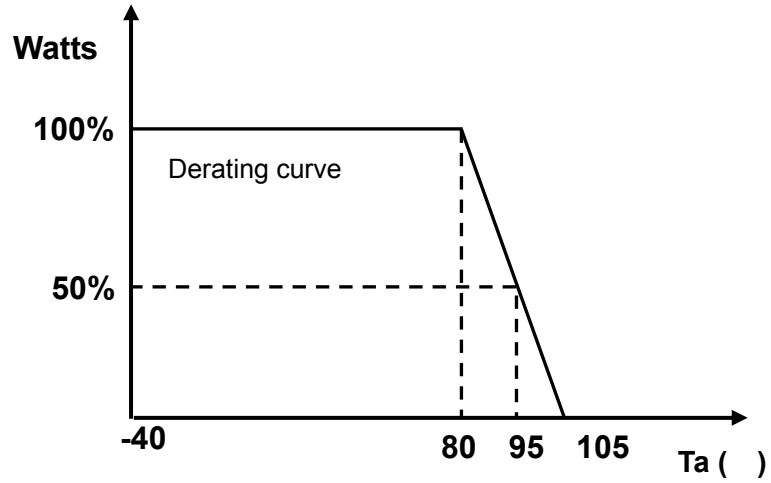


All specifications valid at nominal input voltage, full load @ 25 after warm-up time unless otherwise stated.

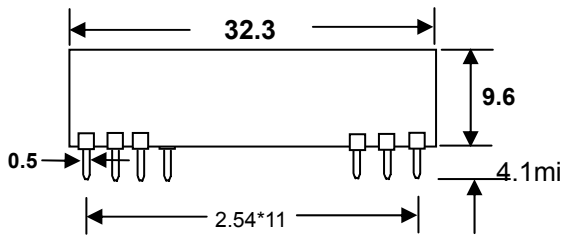
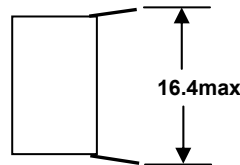
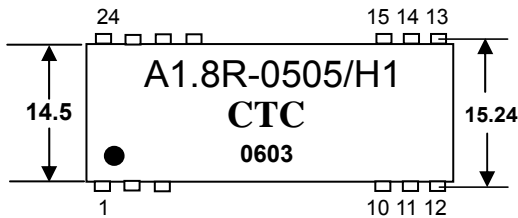
Selection Guide

Model Number	Input Range	Output Voltage	Output Current	Efficiency Typ.
1.5W				
A1.5R-053.3/H1	4.5 ~ 6.0VDC	3.3	450mA	65%
A1.5R-0505/H1	4.5 ~ 6.0VDC	5	300mA	67%
A1.5R-0509/H1	4.5 ~ 6.0VDC	9	167mA	70%
A1.5R-0512/H1	4.5 ~ 6.0VDC	12	125mA	75%
A1.5R-0515/H1	4.5 ~ 6.0VDC	15	100mA	78%
A1.5R-123.3/H1	10.2 ~ 13.8VDC	3.3	450mA	65%
A1.5R-1205/H1	10.2 ~ 13.8VDC	5	300mA	67%
A1.5R-1209/H1	10.2 ~ 13.8VDC	9	167mA	70%
A1.5R-1212/H1	10.2 ~ 13.8VDC	12	125mA	75%
A1.5R-1215/H1	10.2 ~ 13.8VDC	15	100mA	78%
A1.5R-243.3/H1	20.4 ~ 27.5VDC	3.3	450mA	65%
A1.5R-2405/H1	20.4 ~ 27.5VDC	5	300mA	67%
A1.5R-2409/H1	20.4 ~ 27.5VDC	9	167mA	70%
A1.5R-2412/H1	20.4 ~ 27.5VDC	12	125mA	75%
A1.5R-2415/H1	20.4 ~ 27.5VDC	15	100mA	78%
1.8W				
A1.8R-053.3/H1	4.5 ~ 6.0VDC	3.3	550mA	65%
A1.8R-0505/H1	4.5 ~ 6.0VDC	5	360mA	67%
A1.8R-0509/H1	4.5 ~ 6.0VDC	9	200mA	70%
A1.8R-0512/H1	4.5 ~ 6.0VDC	12	150mA	75%
A1.8R-0515/H1	4.5 ~ 6.0VDC	15	120mA	78%
A1.8R-123.3/H1	10.2 ~ 13.8VDC	3.3	550mA	65%
A1.8R-1205/H1	10.2 ~ 13.8VDC	5	360mA	67%
A1.8R-1209/H1	10.2 ~ 13.8VDC	9	200mA	70%
A1.8R-1212/H1	10.2 ~ 13.8VDC	12	150mA	75%
A1.8R-1215/H1	10.2 ~ 13.8VDC	15	120mA	78%
A1.8R-243.3/H1	20.4 ~ 27.5VDC	3.3	550mA	65%
A1.8R-2405/H1	20.4 ~ 27.5VDC	5	360mA	67%
A1.8R-2409/H1	20.4 ~ 27.5VDC	9	200mA	70%
A1.8R-2412/H1	20.4 ~ 27.5VDC	12	150mA	75%
A1.8R-2415/H1	20.4 ~ 27.5VDC	15	120mA	78%

▼ Derating curve :



▼ Outline Dimensions :



Pin	Connection
1,24	+Vin
10,15	-Vout
11,14	+Vout
12,13	-Vin
others	NC