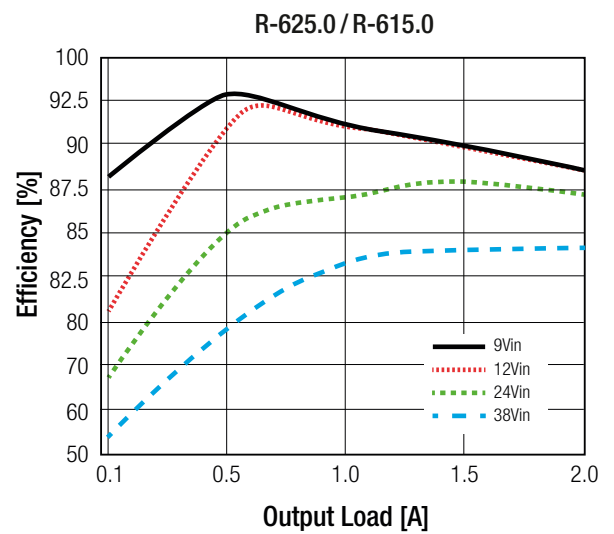
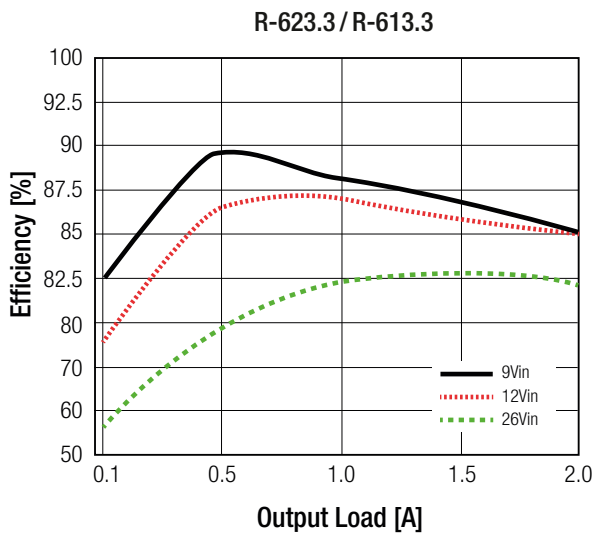
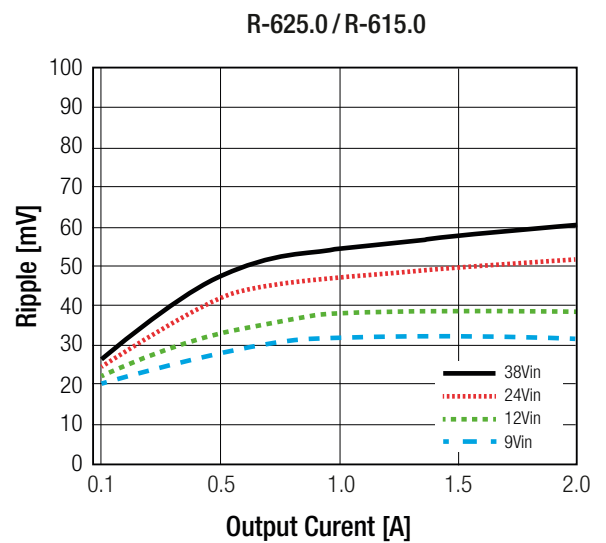
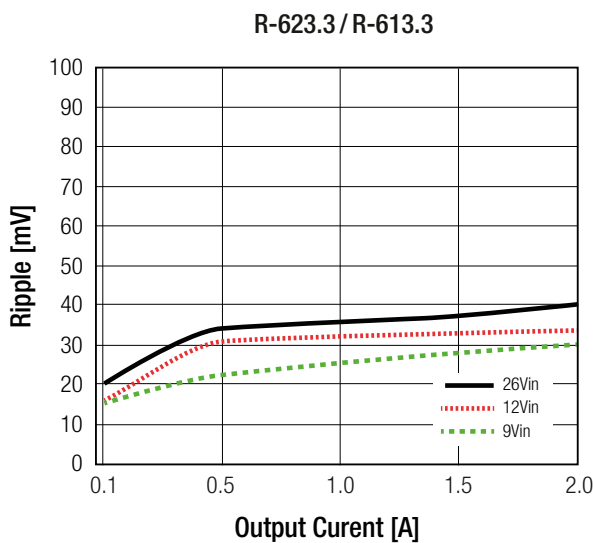


Specifications (refer to standard application circuit, $T_a = 25^\circ\text{C}$)

Efficiency vs. Load



Ripple vs. Output Current



Trim Tables or Calculation

2ADC	R-611.8P/D	R-612.5P/D	R-613.3P/D	R-615.0P/D	R-619.0P/D	R-6112P/D
3ADC	R-621.8P/D	R-622.5P/D	R-623.3P/D	R-625.0P/D	R-629.0P/D	R-6212P/D

Vout nom.	1.8VDC		2.5VDC		3.3VDC		5.0VDC		9.0VDC		12VDC	
Vout adj.	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
1.5	13.6k Ω		3.3k Ω									
1.8			8.2k Ω		3.1k Ω		820k Ω					
2.0		10k Ω	15k Ω		5.1k Ω		1.5k Ω					
2.5		5.1k Ω			13k Ω		3.6k Ω					
3.0		2.5k Ω		10k Ω	51k Ω		7.0k Ω					

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Specifications (refer to standard application circuit, Ta= 25°C)

Trim Tables or Calculation

2ADC	R-611.8P/D	R-612.5P/D	R-613.3P/D	R-615.0P/D	R-619.0P/D	R-6112P/D
3ADC	R-621.8P/D	R-622.5P/D	R-623.3P/D	R-625.0P/D	R-629.0P/D	R-6212P/D

Vout nom.	1.8VDC		2.5VDC		3.3VDC		5.0VDC		9.0VDC		12VDC	
Vout adj.	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
3.3		1.7kΩ		5.9kΩ			9.7kΩ		0Ω		0Ω	
3.6		1.2kΩ		3.9kΩ		18kΩ	14kΩ		1.5kΩ		560Ω	
3.9				2.8kΩ		9.1kΩ	20kΩ		3.3kΩ		1.2kΩ	
4.5				1.6kΩ		3.9kΩ	60kΩ		7.5kΩ		2.1kΩ	
5.0						2.4kΩ			11kΩ		4.0kΩ	
5.1						2.2kΩ		60kΩ	12kΩ		4.3kΩ	
5.5						1.6kΩ		15kΩ	17kΩ		5.6kΩ	
6.0						1.1kΩ		7.2kΩ	24kΩ		7.5kΩ	
7.0								2.8kΩ	51kΩ		12kΩ	
8.0								1.5kΩ	130kΩ		19kΩ	
9.0								880Ω			31kΩ	
10								450Ω		36kΩ	55kΩ	
11								180Ω		15kΩ	125kΩ	
12										8.2kΩ		
13										4.7kΩ		11kΩ
14										2.7kΩ		4.0kΩ
15										1.3kΩ		1.6kΩ

REGULATIONS

Parameter	Condition		Value
Output Accuracy			±1.0% typ. / ±2.0% max.
Line Regulation	low line to high line, full load		±0.5% typ.
Load Regulation ⁽⁵⁾	10% to 100%, full load	R-61xxx R-62xxx	±0.5% max. ±1.0% max.
Transient Response ⁽⁶⁾	50% load step change Vout over / undershoot		100µs typ. / 200µs max. 5% typ.

Notes:

Note5: Operation below 10% load will not harm the converter, but specifications may not be met

Note6: Requires a 100µF electrolytic or tantalum output capacitor for proper operation in all applications
(the capacitor has to be placed as close as possible to the output pins)

PROTECTIONS

Parameter	Condition	Value
Short Circuit Protection (SCP)		continuous, automatic recovery
Short Circuit Input Current	Vin > 12VDC	20mA typ. / 100mA max.

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