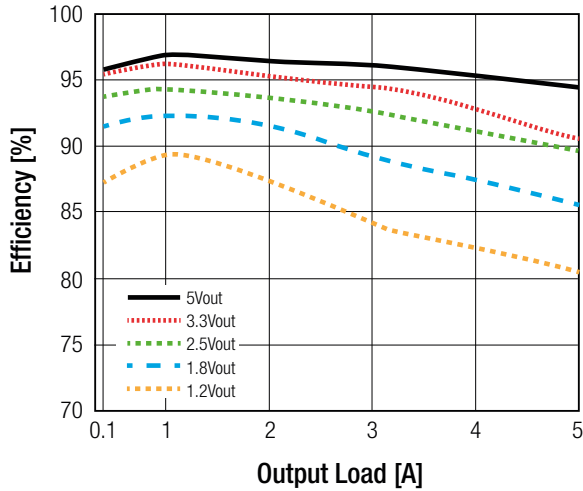


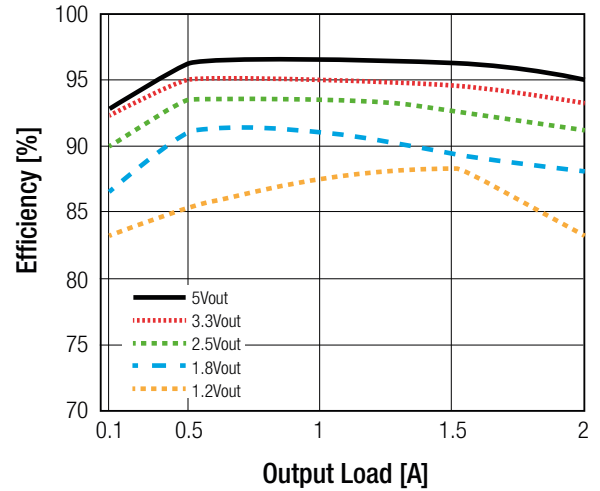
Specifications (refer to standard application circuit, Ta= 25°C)

Efficiency vs. Load

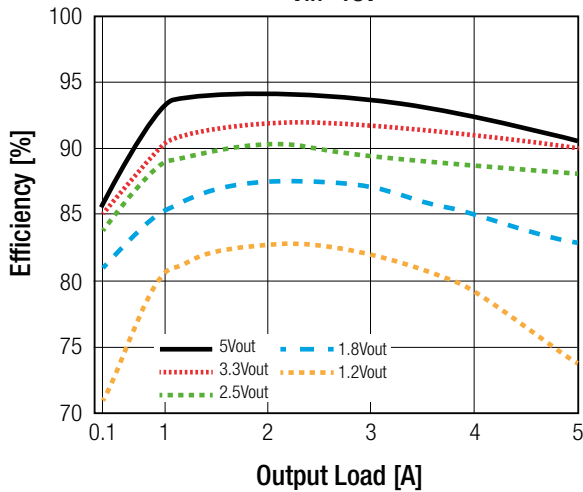
R-53xx / R-54xx / R-55xx
min. Vin



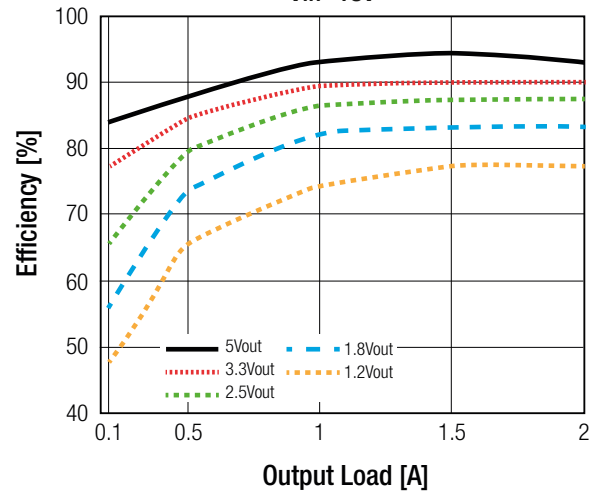
R-52xx
min. Vin



R-53xx / R-54xx / R-55xx
Vin=18V



R-52xx
Vin=18V



Trim Tables or Calculation

2ADC	R-521.2PA/DA	R-521.8PA/DA	R-522.5PA/DA	R-523.3PA/DA	R-525.0PA/DA
3ADC	R-531.2PA/DA	R-531.8PA/DA	R-532.5PA/DA	R-533.3PA/DA	R-535.0PA/DA
4ADC	R-541.2PA/DA	R-541.8PA/DA	R-542.5PA/DA	R-543.3PA/DA	R-545.0PA/DA
5ADC	R-551.2PA/DA	R-551.8PA/DA	R-552.5PA/DA	R-553.3PA/DA	R-555.0PA/DA

Vout nom.	1.2VDC		1.8VDC		2.5VDC		3.3VDC		5.0VDC	
Vout adj.	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
0.8										
0.9	740Ω									
1.0	3.9kΩ									
1.1	13kΩ		1.05kΩ							
1.2			2.1kΩ		270Ω					

continued on next page

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

Trim Tables or Calculation

2ADC	R-521.2PA/DA	R-521.8PA/DA	R-522.5PA/DA	R-523.3PA/DA	R-525.0PA/DA
3ADC	R-531.2PA/DA	R-531.8PA/DA	R-532.5PA/DA	R-533.3PA/DA	R-535.0PA/DA
4ADC	R-541.2PA/DA	R-541.8PA/DA	R-542.5PA/DA	R-543.3PA/DA	R-545.0PA/DA
5ADC	R-551.2PA/DA	R-551.8PA/DA	R-552.5PA/DA	R-553.3PA/DA	R-555.0PA/DA

Vout nom.	1.2VDC		1.8VDC		2.5VDC		3.3VDC		5.0VDC	
Vout adj.	R1	R2	R1	R2	R1	R2	R1	R2	R1	R2
1.3		37kΩ	3.7kΩ		750Ω					
1.5		11.5kΩ	10kΩ		2.1KΩ		390Ω			
1.6		8.2kΩ	18kΩ		3.0KΩ		750Ω			
1.7		6.5kΩ	41kΩ		4.1KΩ		1.2kΩ			
1.8		5.2kΩ			5.6KΩ		1.7kΩ			
1.9		4.3kΩ		36kΩ	7.5KΩ		2.2kΩ			
2.0		3.6kΩ		1.8kΩ	10.5KΩ		2.8kΩ			
2.4		2.1kΩ		5.2kΩ	82KΩ		6.8kΩ			
2.5		1.8kΩ		4.3kΩ			8.5kΩ			
2.6		1.65kΩ		3.6kΩ		33kΩ	10.5kΩ			
3.0		1.05kΩ		2.1kΩ		6.2kΩ	33kΩ		470Ω	
3.2				1.65kΩ		4.1kΩ	110kΩ		1.6kΩ	
3.3				1.5kΩ		3.4kΩ			2.2kΩ	
3.4				1.35kΩ		2.9kΩ		36kΩ	3.0kΩ	
3.6				1.07kΩ		2.2kΩ		11kΩ	4.7kΩ	
3.9				780Ω		1.4kΩ		4.7kΩ	8.5kΩ	
4.5				390Ω		650Ω		1.6Ω	30kΩ	
4.9						350Ω		820Ω	220kΩ	
5.0						290Ω		680Ω		
5.1						220Ω		560Ω		28kΩ
5.5						39Ω		190Ω		2.6kΩ

REGULATIONS

Parameter	Condition		Value
Output Accuracy			±1.0% typ. / ±2.0% max.
Line Regulation	low line to high line, full load	R-52xx R-53xx & R-54xx & R-55xx	±0.25% typ. / ±0.5% max. ±0.5% typ. / ±1.0% max.
Load Regulation ⁽⁵⁾	10% to 100%, full load	R-52xx R-53xx & R-54xx & R-55xx	±0.5% typ. / ±1.0% max. ±1.0% typ. / ±2.0% max.
Transient Response ⁽⁶⁾	50% load step change Vout Over / Undershoot		100µs typ. / 200µs max. 100mV max.

Notes:

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

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

100µF for R-52xxx, R-53xx and R-54xx, 220µF for R-55xx

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