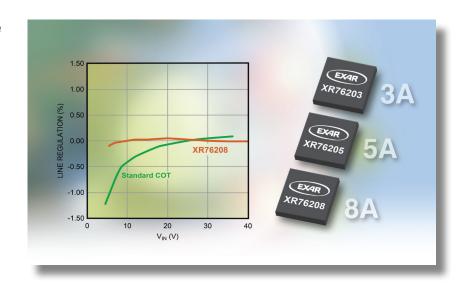


40V PowerBlox™ 3A/5A/8A Synchronous Step Down Regulators

- 40V input voltage range
- Package includes controller, drivers, bootstrap diode and MOSFETs
- Excellent line and load regulation
- High efficiency



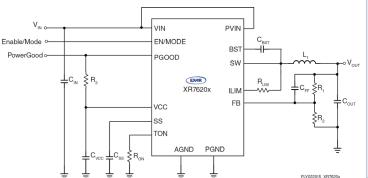
Benefits of Exar's COT Architecture

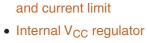
- Excellent line and load regulation compared to standard COT
- Emulated valley current mode
- Stable with ceramic output capacitors

- · No compensation required
- Selectable CCM or CCM/DCM modes
- Programmable 150ns 2µs on-time
- Constant 100kHz 800kHz switching frequency

Part Number	l _{OUT}	V _{IN} Range	V _{OUT} Range	Frequency	Effi- ciency	Package	Features
XR76203	ЗА	3V – 40V	0.6V – 30V	100kHz – 800kHz	95%	5mm x 5mm QFN	Patented COT provides fast transient response with excellent line and load regulation. UVLO, OTP, soft start, adjustable hiccup current limit and short circuit protection.
XR76205	5A						
XR76208	8A						

Exar's COT architecture provides excellent line and load regulation with ceramic capacitors without reducing transient performance.





Adjustable frequency

 No switch node feed forward compensation

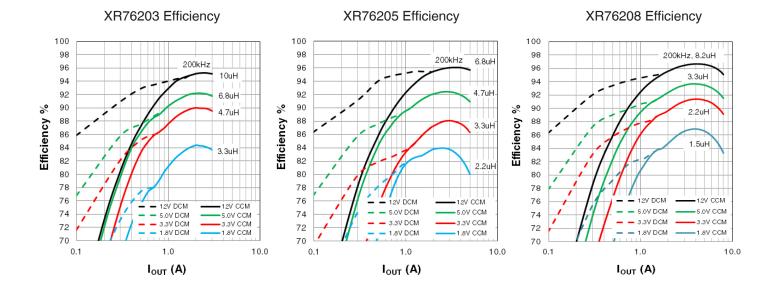
components required

• P_{VIN} range 3V - 40V



XR76203/5/8 Evaluation Board

Contact customersupport@exar.com for additional information.



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48760 Kato Road Fremont, CA 94538 USA Tel.: +1 (510) 668-7000 Fax: +1 (510) 668-7001 Email: Support@exar.com