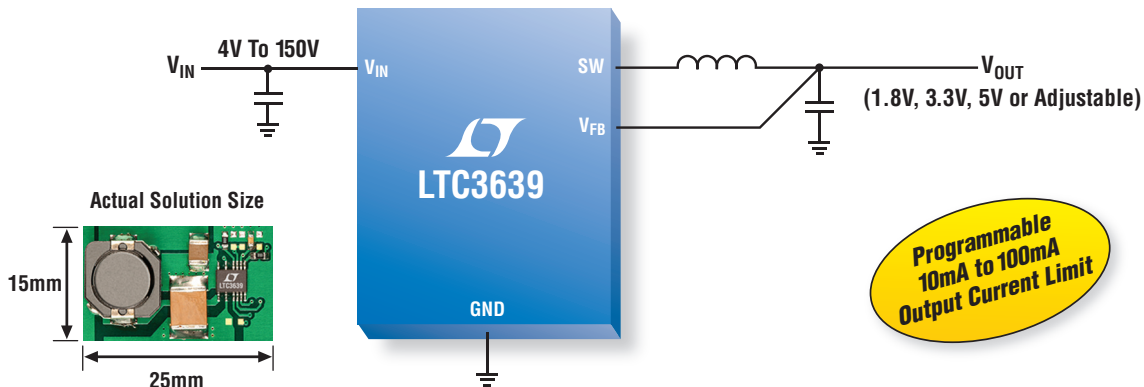


Big Volts. Small Solution.



150V, 100mA, $I_Q = 12\mu\text{A}$, Sync Buck.

Some things may be considered mutually exclusive, but not for our LTC[®]3639. It is a monolithic synchronous buck converter with a 4V to 150V input voltage range, programmable undervoltage lockout and high efficiency conversion. Features include a quiescent current of only 12 μA , 100% duty cycle operation, a user-programmable current limit from 10mA to 100mA and internal compensation. The LTC3639 provides best-in-class performance for a myriad of applications from industrial control systems and medical devices to automotive and avionic electronics. That's a lot of capability in a simple, compact solution.

Selected Monolithic Buck Converters

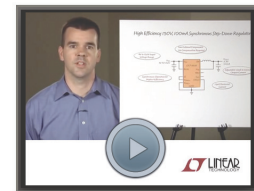
Part Number	V _{IN} Range (V)	Output Current (mA)	Quiescent Current (μA)	Package
LTC3642	4.5 to 45	50	12	MSOP8E, DFN
LTC3631	4.5 to 45 (60 Trans)	100	12	MSOP8E, DFN
LTC3632	4.5 to 50 (60 Trans)	20	12	MSOP8E, DFN
LTC3630	4 to 65	50 to 500	12	MSOP16E [†] , DFN
LTC3630A	4 to 76	50 to 500	12	MSOP16E [†] , DFN
LTC3639	4 to 150	10 to 100	12	MSOP16E [†]
LTC3638*	4 to 150	25 to 250	12	MSOP16E [†]

* Future Product
[†] 14 Pins Removed for High Voltage

Info & Free Samples

www.linear.com/product/LTC3639

1-800-4-LINEAR



video.linear.com/170

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