

Compact and Space-Saving Power Supply Solutions

■ World's smallest class product line of space-saving solutions

XC9290/XC9291

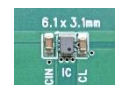
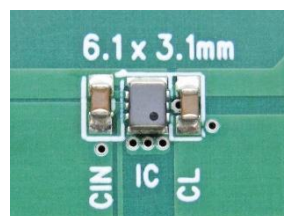
World's smallest class 6.0V 600mA step-down DC/DC



Actual Size

XCL239/XCL240, XCL109/XCL110

Built-in inductor Micro DC/DC: Step-down, Step-up



Actual Size

XC8110/XC8111

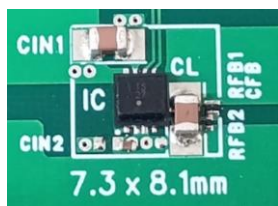
Ideal Diode Load Switch 0.5A/1.0A



Actual Size

XCL247/XCL248

Built-in inductor 36V 600mA Step-down Micro DC/DC



Actual Size

XCL249

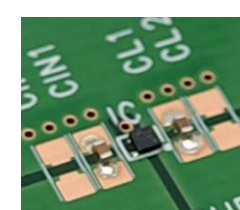
Built-in inductor 60V 150mA Step-down Micro DC/DC



Actual Size

XC6241, XC6135/XC6136

150mA LDO with GO function, Ultra-low Iq RESET



Actual Size

■ List of Compact and Space-saving Power Supply ICs

	Product	Features	V _{IN} (V)	V _{OUT} (V)	I _{OUT} (mA)	Package	Size
LDO	XC6241	High-speed, i _q =0.6μA, GO	1.6 ~ 6.0	1.5 ~ 5.0	150	USPQ-4B05	1.0 x 1.0 x h 0.33mm
	XC6228	High-speed, PSRR=75dB, 300mA	1.6 ~ 5.5	1.2 ~ 4.0	300	USPQ-4B04	1.0 x 1.0 x h 0.6mm
	XC6504	Cap. Less, I _q =0.6μA	1.4 ~ 6.0	1.1 ~ 5.0	150	USPN-4B02	0.75 x 0.95 x h 0.40mm
Step-up DC/DC	XCL109/XCL110	Built-in inductor, F-PWM, PWM/PFM	0.65 ~ 6.0	1.8 ~ 5.5	610 @3.3V→5V	CL-2025-02	2.0 x 2.5 x h 1.04mm
	XCL104/XCL105	Built-in inductor, F-PWM, PWM/PFM	0.65 ~ 6.0	1.8 ~ 5.5	710 @3.3V→5V	DFN3030-10B	3.0 x 3.0 x h 1.7mm
Step-down DC/DC	XCL243/XCL244	Built-in inductor, HiSAT-COT , 700mA, h=0.75mm max	2.5 ~ 5.5	0.8 ~ 3.6	700	USP-8B04	2.25 x 1.5 x h 0.75mm
	XCL239/XCL240	Built-in inductor, HiSAT-COT , 1A	2.5 ~ 5.5	0.8 ~ 3.6	1000	CL-2025-02	2.0 x 2.5 x h 1.04mm
	XCL233	I _q =200nA, Step-down DC/DC, VSET(V _{OUT} selectable)	1.8 ~ 6.0	0.5 ~ 3.6	150	CL-2025-03	2.0 x 2.5 x h 1.04mm
	XC9290/XC9291	HiSAT-COT , 600mA, World's smallest mounting area 3.15mm ²	2.5 ~ 6.0	0.7 ~ 3.6	600	WLP-5-08	0.96 x 0.88 x h 0.33 mm
	XCL247/XCL248	Built-in inductor, 36V, 600mA, I _q =11μA	3.0 ~ 36.0	2.8 ~ 6.0	600	DFN3030-10B	3.0 x 3.0 x h 1.7mm
	XCL249	Built-in inductor, 60V, 150mA, I _q =12μA, High step-down ratio	4.5 ~ 60.0	2.5 ~ 6.0	150	CL-3225	3.2 x 2.5 x h 2.2.0mm
RESET IC	XC6135/XC6136	Ultra-low I _q : 88nA Voltage Detector	1.1 ~ 6.0	1.2 ~ 5.0	-	USPQ-4B05	1.0 x 1.0 x h 0.33mm
Charger IC	XC6810	For 1 cell Li-ion, Multi-function Charger IC	3.5 ~ 28	3.8 ~ 4.4	1 ~ 25	WLP-12-01	1.17 x 1.57 x h 0.33mm
Load switch	XC8110/XC8111	Ideal diode load switch, V _F =20mV, IEC 62368-1 certified	1.5 ~ 6.0	-	1000	WLP-4-02	0.82 x 0.82 x h 0.5mm