

STEP-DOWN CONVERTERS WITH INTEGRATED INDUCTOR | POWER MODULES

Synchronous

Part Number	IOUT (A)	VIN (V)	IQ (μA)	Light-Load Efficiency	Power Good	Soft Start	Protection Features (OCP/SCP/UL VO/OTP)	Package	Solution Size	Notes
MPM3805	0.6	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	Adjustable VOUT
MPM3805-1.2V	0.6	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	1.2V Fixed VOUT
MPM3805-1.8V	0.6	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	1.8V Fixed VOUT
MPM3805-2.5V	0.6	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	2.5V Fixed VOUT
MPM3805-3.3V	0.6	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	3.3V Fixed VOUT
New MPM3606	0.6	4.5 to 21	200	✓		Internal	✓	QFN20 (3x5x1.6)	6.7x6.3mm	Integrated Inductor
New MPM3606A	0.6	4.5 to 21	300	✓	✓	Internal	✓	QFN20 (3x5x1.6)	6.7x6.3mm	Power Good
New MPM3506A	0.6	4.5 to 36	580		✓	Internal	✓	QFN19 (3x5x1.6)	6.7x6.3mm	High Voltage
MPM3810	1.2	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	Adjustable VOUT
MPM3810-1.2V	1.2	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	1.2V Fixed VOUT
MPM3810-1.8V	1.2	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	1.8V Fixed VOUT
MPM3810-2.5V	1.2	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	2.5V Fixed VOUT
MPM3810-3.3V	1.2	2.5 to 6	17	✓	✓	Internal	✓	QFN12 (3x2.5x0.9)	3.81x5.97mm	3.3V Fixed VOUT
New MPM3610	1.2	4.5 to 21	200	✓		Internal	✓	QFN20 (3x5x1.6)	6.7x6.3mm	Low IQ
New MPM3610A	1.2	4.5 to 21	200	✓	✓	Internal	✓	QFN20 (3x5x1.6)	6.7x6.3mm	With PG
New MPM3510A	1.2	4.5 to 36	580		✓	Internal	✓	QFN19 (3x5x1.6)	6.7x6.3mm	High Voltage
New MPM3620	2	4.5 to 24	200	✓		Internal	✓	QFN20 (3x5x1.6)	6.7x6.3mm	Adjustable Output
New MPM3620A	2	4.5 to 24	200	✓	✓	Internal	✓	QFN20 (3x5x1.6)	6.7x6.3mm	With PG
MPM3830	3	2.7 to 6	40	✓	✓	Internal	✓	QFN20 (3x5x1.6)	8.5x4.5mm	High Light-Load Eff.
New MPM3680	6	2.5 to 18	860	✓	✓	Internal/External	✓	QFN57 (12x12x4)		18V, 6A
New MPM3682	10	2.5 to 18	860	✓	✓	Internal/External	✓	QFN57 (12x12x4)		18V, 10A
New MPM3684	15	2.5 to 18	860	✓	✓	Internal/External	✓	QFN65 (12x15x4)		18V, 15A
New MPM3686	20	2.5 to 18	860	✓	✓	Internal/External	✓	QFN65 (12x15x4)		18V, 20A