

For more information please click on part No.

Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2
MP4568	60V, 100mA Synchronous Step-Down Converter	4.5	45	0.1	0.26	0.02	1	1000 (Adj.)	External	QFN10	-
MPQ4568	Industrial Grade, 60V, 100mA Synchronous Step-Down Converter	4.5	45	0.1	0.3	0.02	1	1000 (Adj.)	External	QFN10	-
MP2357	0.5A, 24V, 1.4MHz Step-Down Converter in a TSOT23-6	4.5	24	0.5	0.8	0.8	0.81	1400	Internal	TSOT23	SOT23
MP2459	0.5A, 55V, 480kHz Step-Down Converter in a TSOT23-6	4.5	55	0.5	1.25	0.73	0.8	480	-	TSOT23-6	-
MP2451	36V, 2MHz, 0.6A Step Down Converter	3.3	36	0.6	0.85	0.23	0.8	2000	Internal	SOT23-6L	-
MP4566	36V, 1MHz, 0.6A Step-Down Converter with 35µA Quiescent Current	4.5	36	0.6	1.2	0.035	1	1000	Internal	QFN8	
MP28119	Ultra-Small 1.7MHz, 600mA, Low-Voltage Synchronous Step-Down Converter. Fixed (1.0V and 1.2V) and Adjusted Output Options, Output Discharge and Internal Comp.	2.5	6	0.6	1.6	0.4	0.6	1700	Internal	QFN8	
MP2104	1.7MHz, 600mA Synchronous Step-Down Converter. Fixed (1.5V and 1.8V) and Adjusted Output Options (0.6V to 6V) in TSOT23-5 and TQFN-6 Packages.	2.5	6	0.6	1	0.4	0.6	1700	-	TSOT23	TQFN
MP28114	Ultra-Small 1.7MHz, 600mA, Low-Voltage Synchronous Step-Down Converter. Fixed (1.5V, 1.8V, and 3.3V) and Adjusted Output Voltage (0.6V to 6V) in a QFN8 Package.	2.5	6	0.6	1	0.4	0.6	1700	Internal	QFN8	
MPQ2451	Industrial/Automotive-Grade 36V, 2MHz, 0.6A Step-Down Converter AEC-Q100 Qualified	3.3	36	0.6	0.85	0.23	0.8	2000	Internal	SOT23-6L	

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MP2105	1MHz, 800mA Synchronous Step-Down Converter. Up to 95% Efficiency, Internal Comp, and Adjusted Output Voltage (0.6V to 6V).	2.5	6	0.8	1.6	0.4	0.6	1000		TSOT23-5	
MP2109	Dual 1.2MHz, 800mA Synchronous Step-Down Converter. Adjusted Output Voltage (0.6V to 6V).	2.5	6	0.8	1.3	0.4	0.6	1240	-	QFN10	
MP2452	36V, 1MHz, 1A Step-Down Converter	3.3	36	1	1.5	0.13	0.8	1000	Internal	QFN8	
MP2562	1A, 4MHz, 50V Step-Down Converter	4.5	50	1	1.8	0.12	0.8	4000	Internal	QFN10	SOIC8
MP28367	1A, 21V, 1.4MHz Step-Down Converter in a TSOT23-6	6	21	1	1.8	0.8	0.81	1400		TSOT23-6	
MP2259	1A, 16V, 1.4MHz Step-Down Converter	4.5	16	1	1.8	1	0.81	1400		TSOT23-6	SOT23-6
MP2487	55V, 1A High Power LED Driver	4.5	55	1	1.5	0.13	0.2	200	Internal	SOIC8E	
MP4458	1A, 4MHz, 36V Step-Down Converter	4.5	36	1	1.8	0.1	0.8	4000 (Adj)	Internal	TQFN10	
MPQ4458	Industrial Grade ,1A, 4MHz, 36V Step-Down Converter	4.5	36	1	1.8	0.1	0.8	4000 (Adj)	Internal	TQFN10	
MP2489	Step Down White LED Driver with Wide 6V--60V Input Voltage	6	60	1		1	202	600		TSOT23-5	
MP2112	1MHz, 1A Synchronous Step-Down Converter. Internal Comp.	2.5	6	1	1.6	0.44	0.6	1050	Internal	QFN6	TSOT23-5
MP2128	2.5V-6V Input, 3MHz, 1A Synchronous Step-Down Converter.	2.5	6	1	1.5	0.35	0.6	3000	Internal	QFN8	SOT23
MP2309	23V, 340kHz, 1A Synchronous Rectified Step-Down Converter. External SS and External Comp.	4.75	23	1	2	1.3	0.92	340	External	SOIC8	
MP2136	2.5V to 6V Input, 2MHz, 1A Synchronous Step-Down. Up to 95% Efficiency.	2.5	6	1	1.5	0.35	0.594	2000	Internal	QFN6	

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MP2158	1A, 6V, 1.5MHz, 17µA IQ, COT Synchronous Step Down Switcher In Ultra-small 2x1.5mm QFN	2.5	6	1	2	0.017	0.6	1500	Internal	QFN (2x1.5)	-
MP2159	1A, 6V, 1.5MHz, 17µA IQ, COT Synchronous Step Down Switcher In 8-pin TSOT23	2.5	6	1	2	0.017	0.6	1500	Internal	TSOT23-8	-
MP2149	Dual, 6V, 1A, Low Quiescent Current, SYNC Buck Regulator	2.7	6	1	2.5	0.045	0.608	1000	Internal	TSOT23-8	-
MP2160	1.2A Peak, 6V, 3.5MHz, COT Synchronous Step-Down Switcher	2.7	6	1	2.1	0.017	0.6	3500	Internal	QFN8	-
MPQ4558	1A, 2MHz, 55V Step-Down Converter AEC-Q100 Qualified	4.5	55	1	1.9	0.14	0.8	2000 (Adj)	Internal	QFN10	SOIC8E
MP2359	1.2A, 24V, 1.4MHz Step-Down Converter. Available in SOT23-6 and TSOT23-6 Packages.	4.5	24	1.2	1.8	0.8	0.81	1400	Internal	SOT23-6	TSOT23-6
MP29368	1.2A, 24V, 1.4MHz Step-Down Converter in a TSOT23-6	4.5	24	1.2	1.8	0.8	0.81	1400		TSOT23-6	
MP1567	1.2A Synchronous Rectified Step-Down Converter	2.6	6	1.2	2	1.2	0.905	800		QFN10	MSOP10
MP28127	5.5V, 1.25A Synchronous Step-Down Switching Regulator	2.7	5.5	1.25	2.5	0.75	0.8	1500		QFN10	
MP2364	Dual 1.5A, 23V, 1.4MHz Step-Down Converter	4.75	23	1.5	3	2.4	0.92	1400	External	TSSOP20E	
MP4459	1.5A, 4MHz, 36V Step-Down Converter	4.5	36	1.5	2.5	0.1	0.8	4000 (Adj)	Internal	TQFN10	
MP2490	1.5A, 36V, 700KHz Step-Down Converter with Programmable Output Current Limit	4.5	36	1.5	2.6	0.5	0.81	700	External	QFN10	SOIC8
MP4561	1.5A, 2MHz, 55V Step-Down Converter	4.5	55	1.5	2.5	0.12	0.8	1000 (Adj)	External	QFN10	

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MP28372	Dual 1.5A, 23V, 1.4MHz Step-Down Converter. Available in TSSOP20 with Exposed Pad and SOIC Packages.	4.75	23	1.5	3	2.4	0.92	1400		TSSOP20F	SOIC16
MP29373	Dual 1.5A, 23V, 1.4MHz Step-Down Converter. Available in a TSSOP20 Package with Exposed Pad.	4.75	23	1.5	3	2.4	0.92	1400		TSSOP20F	
MPQ2490	Industrial Grade, 1.5A, 36V, 700kHz Step-Down Converter with Programmable Output Current Limit	4.5	36	1.5	4.2	0.5	0.805	700	-	QFN10	-
MPQ4459	Industrial Grade, 1.5A, 4MHz, 36V Step-Down Converter	4.5	36	1.5	2.5	0.1	0.8	4000 (Adj)	Internal	TQFN10	
MPQ4561	1.5A, 2MHz, 55V Step-Down Converter AEC-Q100 Qualified	4.5	55	1.5	2.5	0.12	0.8	2000 (Adj)	External	QFN10	
MP24971	1.5A, 50V, 100kHz, 5V Fixed Output Step-Down Converter with Programmable Current Limit and Output Line-Drop Compensation	8	50	1.5	4.4	1.2	0.8	100	Internal	SOIC8	SOIC8E
MPQ4559	Industrial Grade, 1.5A, 2MHz, 55V Step-Down Converter AEC-Q100 Qualified	4.5	36	1.5	2.5	0.1	0.8	400(Adj.)	Internal	QFN10	-
MP2012	Low Voltage, 2.7V-6V Input, 1.5A, 1.2MHz Synchronous Step-Down Converter	2.7	6	1.5	3	0.6	0.8	1200	Internal	QFN6	
MP2106	15V, 800kHz, 1.5A Synchronous Buck Converter	2.6	15	1.5	2.5	1.2	0.895	800		QFN10	MSOP10
MP2113	2.7-6V Input, 1.5A, 1.5MHz Synchronous Step-Down Converter with Dynamic Voltage Control	2.7	6	1.5	2.2	0.55	0.6	1500	Internal	QFN8	
MP2125	Dual 1.5A, 1.2MHz Synchronous Step-Down Converter	2.7	6	1.5	3	0.6	0.8	1200	Internal	QFN14	

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MP1469	High-Efficiency, 1.5A, 16V, 500kHz Synchronous, Step-Down Converter In 6 Pin SOT 23	4.7	16	1.5	3	0.83	0.8	500	Internal	TSOT23-6	-
MP2360	1.8A, 24V, 1.4MHz Step-Down Converter	4.5	24	1.8	2.5	0.8	0.81	1400	Internal	QFN8	
MP2371	1.8A, 24V, 700kHz Step-Down Converter	4.5	24	1.8	2.5	0.8	0.81	700	Internal	QFN8	
MP2270	2A, 8V, 700kHz Step-Down Converter	4.5	8	1.8	2.5	0.8	0.81	700	Internal	MSOP10E	
MP28368	1.8A, 24V, 1.4MHz Step-Down Converter	4.5	24	1.8	2.5	0.8	0.81	1400		QFN8	
MP2361	2A, 23V, 1.4MHz Step-Down Converter	4.75	23	2	3.5	1.2	0.92	1400	External	QFN10	MSOP10
MP2358	2A, 23V, 370kHz Step-Down Converter	4.75	23	2	3.4	1.1	0.92	370	External	QFN10	SOIC8
MP2362	Dual 2A, 23V, 380kHz Step-Down Converter with Frequency Synchronization	4.75	23	2	3.4	2	1.22	380	Internal	TSSOP20F	
MP1591	2A, 32V, 330kHz Step-Down Converter	6.5	32	2	3.6	1	1.23	330	Internal	SOIC8	SOIC8E
MP4560	2A, 2MHz, 55V Step-Down Converter	4.5	55	2	3.2	0.1	0.8	1000 (Adj)	Internal	QFN10	SOIC8E
MP2495	Integrated 100V Load Dump Protection, 2A Step Down Regulator with Output Current Control		100	2	2.6	0.5	0.805	700		SOIC16	
MP2494	2A, 58V, 100kHz Step-Down Converter	4.5	55	2	3.5	0.5	0.8	100	External	SOIC8	SOIC8E
MP2492	2A, 55V, 100kHz Step-Down Converter with Programmable Output Current Limit	4.5	55	2	3.5	0.5	0.8	100	External	SOIC8E	QFN10
MP2493	2A, 36V, Low EMI, Step-Down Converter with Programmable Output Current Limit	4.5	36	2	3	0.5	0.8	130	External	SOIC	SOIC8E
MP2354	2A, 23V, 380kHz Step-Down Converter	4.75	23	2	3.4	1	1.22	380	Internal	SOIC8	
MP1580	2A, 380kHz Step-Down Converter	4.75	25	2	3	1	1.222	380		SOIC8	PDIP8

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MP28369	2A, 16V, 1.4MHz Step-Down Converter	4.75	16	2	3.5	1.2	0.92	1400		MSOP10	
MP2498	Integrated 100V Load Dump Protection, 2A Step-Down Regulator	5	24	2	3.2	0.12	0.8	150-2000	Internal	QFN28	
MPQ4560	2A, 2MHz, 55V Step-Down Converter AEC-Q100 Qualified	4.5	55	2	3.2	0.1	0.8	1000 (Adj)	Internal	QFN10	SOIC8E
MP2108	2A, 6V, 740kHz Synchronous Buck Converter	2.6	6	2	3.5	1.2	0.9	740	External	QFN10	MSOP10
MP2119	2A, 5.5V Synchronous Step-Down Switching Regulator	2.7	5.5	2	3.5	0.75	0.8	1500	Internal	QFN10	
MP2127	2.7-6V Input, 2A, 1.2MHz Synchronous Step-Down Converter	2.7	6	2	3	0.5	0.8	1200	Internal	QFN6	
MP2209	16V, 2A, 600kHz Synchronous Step-Down Converter with PG	3	16	2	4	0.75	0.8	600	External	QFN14	
MP28313	2A, 16V, 340kHz Synchronous Rectified Step-Down Converter	5	16	2	3.4	1.3	0.923	340		SOIC8	
MP29296	23V Synchronous Rectified Step-Down Converter	4.75	23	2	3.4	1.3	0.923	340		SOIC8	
MP28262	2A, 21V, 1.1MHz Synchronous Step-Down Converter	4.5	21	2	4.5	0.7	0.81	1100	Internal	QFN14	
MP1482	2A, 18V Synchronous Rectified Step-Down Converter	4.75	18	2	3.4	1.3	0.923	340		SOIC8	
MP28252	High Efficiency 2A, 21V, 500kHz Synchronous Step-Down Converter	4.5	21	2	4	0.7	0.805	500		QFN14	
MP2115	2A Synchronous Step-Down Converter with Programmable Input Current Limit	2.8	6	2	3	0.5	0.607	700-2000		QFN10	
MP28259	High Efficiency, Fast Transient, 2A, 4.2V-20V Constant On-Time (COT), Synchronous Step-Down Converter with Latch-off OCP in QFN12 (2x3mm)	4.2	20	2	3	0.36	0.815	COT/Programmable	Internal	QFN12	

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MP1492	2A, 4.2V to 16V, Constant On-Time (COT), Synchronous Step-Down Converter in a SOIC8 Package	4.2	16	2	3	1	0.805		COT/Programmable	Internal	SOIC8	
MP2305	2A, 23V Synchronous Rectified Step-Down Converter	4.75	23	2	3.4	1.3	0.92	340		External	SOIC8	
MP28259-A	High Efficiency, Fast Transient, 2A, 4.2V-20V Input Synchronous Step-down Converter with Hiccup OCP in QFN12 (2x3mm)	4.2	20	2	3	0.36	0.815		COT/Programmable	Internal	QFN12	
MP1494	High-Efficiency, 2A, 16V, 500kHz Synchronous, Step-Down Converter	4.5	16	2	3	0.5	0.8	500		Internal	TSOT23-8	
MP1496	High-Efficiency, 2A, 16V, 500kHz Synchronous, Step-Down Converter	4.5	16	2	3	0.5	0.8	500		External	TSOT-23	
MP2144	2A, 5.5V, 1.2MHz, 40µA IQ, COT Synchronous Step Down Switcher	2.5	5.5	2	3	0.04	0.6		COT	Internal	TSOT23-8	
MP1474	High-Efficiency, 2A, 16V, 500kHz Synchronous, Step-Down Converter	4.5	16	2	3	0.5	0.807	500		Internal	STOT23-8	-
MP1470	High-Efficiency, 2A, 16V, 500kHz Synchronous, Step-Down Converter In a 6-Pin TSOT 23	4.7	16	2	3.7	0.83	0.8	500		Internal	TSOT23-6	-
MP1498	High-Efficiency, 2A, 16V, 1.4MHz Synchronous, Step-Down Converter	4.5	16	2	5	0	0.807	16		External	TSOT23-8	-
MP2161	2A, 6V, 1.5MHz, 17µA IQ, COT Synchronous Step Down Switcher In 8-pin TSOT23	2.5	6	2	3.2	0.017	0.6	1500		Internal	TSOT23-8	-
MP2162	2A, 6V, 1.5MHz, 17µA IQ, COT Synchronous Step Down Switcher In Ultra-small 2x1.5mm QFN	2.5	6	2	3.2	0.017	0.6	1500		Internal	QFN (2x1.5)	-
MP2234	High-Efficiency, 2A, 16V, 800kHz Synchronous, Step-Down Converter	4.5	16	2	4			800		External	TSOT23-8	-

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MP2314	High Efficiency 2A, 24V, 500kHz Synchronous Step Down Converter	4.5	24	2	4	0.17	0.788	500	Internal	TSOT23-8	-
MP2122	Dual, 6V, 2A, Low Quiescent Current, SYNC Buck Regulator	2.7	6	2	3.5	0.05	0.608	1000	Internal	TSOT23-8	-
MP2228	High-Efficiency, 2A, 16V, 800kHz Synchronous, Step-Down Converter	6	16	2	4.5	0.55	0.807	800	External	TSOT-23	-
MP2499	Integrated 100V Load Dump Protection 2A, 100kHz Step Down Regulator with Programmable Output Current	5	24	2	3	0.5	0.8	100	External	SOIC16	
MP2116	2A, 6V, 100% Duty Cycle Synchronous Step-Down Converter with 0.5A LDO	2.5	6	2	3.1	0.3	0.6	1250	Internal	QFN10	
MP2117	1.25MHz, 2.2A Synchronous Step-Down Switcher	2.5	6	2.2	3.3	0.35	0.596	1250	Internal	QFN10	SOIC8E
MP4350	2.5A, 4MHz, 20V Step-Down Converter	4.5	20	2.5	3.5	0.1	0.8	4000 (Adj)	Internal	QFN10	
MP4460	2.5A, 4MHz, 36V Step-Down Converter	4.5	36	2.5	3.5	0.1	0.8	4000 (Adj)	Internal	QFN10	
MP2467	2.5A, 36V, 500kHz Step-Down Converter	6	36	2.5	3.5	0.1	0.8	500	Internal	SOIC8E	
MP2560	2.5A, 4MHz, 42V Step-Down Converter	4.5	42	2.5	3.5	0.1	0.8	4000 (Adj)	Internal	QFN10	SOIC8E
MP2565	2.5A, 4MHz, 50V Step-Down Converter	4.5	50	2.5	3.5	0.1	0.8	4000 (Adj)	Internal	QFN10	SOIC8E
MPQ4460	Industrial Grade, 2.5A, 4MHz, 36V Step-Down Converter	4.5	36	2.5	3.5	0.12	0.8	4000 (Adj)	Internal	QFN10	
MP9115	2.7-6V Input, 2.5A, 1.2MHz Synchronous Step-Down Converter	2.7	6	2.5	4.5	0.6	0.8	1200		TQFN10	
MP28128	2.5A, 1.5MHz Synchronous Step-Down Converter	2.7	6	2.5	4.5	0.75	0.8	1500	Internal	QFN10	
MP2205A	16V, 2.5A, 1.3MHz Synchronous Step-Down Converter	3	16	2.5	4	0.75	0.8	1300	Internal	QFN14	

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MP2120	2.5A, 5.5V Synchronous Step-Down Switching Regulator	2.7	5.5	2.5	4.5	0.75	0.8	1500	Internal	QFN10	
MP2377	3A, 21V, 600kHz Step-Down Converter	4.5	21	3	4	0.9	0.808	600	Internal	SOIC8	SOIC8E
MP1593	3A, 28V, 385kHz Step-Down Converter	4.75	28	3	6.2	1	1.22	385	External	SOIC8E	
MP2365	3A, 28V, 1.4MHz Step-Down Converter	4.75	28	3	6.5	1.3	0.92	1400	External	SOIC8E	
MP2363	3A, 27V, 365kHz Step-Down Converter	4.75	27	3	5.7	1	0.92	365	External	SOIC8E	PDIP8
MP2372	3A, 28V, 925kHz Step-Down Converter	4.75	28	3	6.5	1.3	0.92	925	External	SOIC8E	
MP1586	3A, 28V Step-Down Converter	4.5	28	3	4.7	0.115	0.8	Programmable	Internal	SOIC8E	
MP2355	3A, 23V, 380kHz Step-Down Converter	4.75	23	3	4.3	1	1.22	380	External	SOIC8E	
MP28373	3A, 28V, 1.4MHz Step-Down Converter	4.75	28	3	6.5	1.3	0.92	1400		SOIC8E	
MP1583	3A, 23V, 385kHz Step-Down Converter	4.75	23	3	4.9	1	1.222	385		PDIP8	SOIC8E
MP2497	3A, 50V, 100kHz Step-Down Converter with Programmable Output OVP Threshold	4.5	50	3	5	1.2	0.8	100	Internal	SOIC8	SOIC8E
MP1584	3A, 1.5MHz, 28V Step-Down Converter	4.5	28	3	4.7	0.1	0.8	Programmable up to 1500	Internal	SOIC8E	
MP24943	3A, 55V, 100kHz Step-Down Converter with Programmable Output OVP Threshold	4.5	55	3	6.5	0.65	0.8	100	External	SOIC8	SOIC8E
MP2497-A	3A, 50V, 100kHz Step-Down Converter with Programmable Output OVP Threshold	4.5	50	3	5	1.2	0.8	100	Internal	SOIC8E	
MP2212	16V, 3A, 600kHz Synchronous Step-Down Converter	3	16	3	6	0.75	0.8	600	Internal	QFN10	SOIC8E
MP2307	3A, 23V, 340kHz Synchronous Rectified Step-Down Converter	4.75	23	3	5.8	1.3	0.925	340	External	SOIC8E	

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MP2403	3A, 32V, 250kHz Synchronous Rectified Step-Down Converter	4.6	32	3	5.3	1.45	0.8	250	External	SOIC8E	
MP38870	3A, 14V, 600kHz Step-Down Converter with Synchronizable Gate Driver	4.5	14	3	4	0.9	0.808	600	Internal	QFN14	
MP8642	Dual 3A, 23V, 600kHz Step-Down Converter with Frequency Synchronization	4.5	23	3	4	0.9	0.808	600	Internal	QFN32	
MP28315	3A, 16V, 340kHz Synchronous Rectified Step-Down Converter	5	16	3	5.8	1.3	0.925	340		SOIC8E	
MP2249	1MHz, 6V, 3A, Low-Voltage Synchronous Step-Down Converter	2.5	6	3	4.5	0.48	0.6	1000	Internal	TQFN10	SOIC8E
MP28253	21V, 3A, 500kHz Synchronous Step-Down Converter	4.5	21	3	5.6	0.7	0.805	500		QFN14	
MP2227	24V, 3A, 1.6MHz Synchronous Step-Down Converter	3	24	3	4.5	1	0.8	1600	External	QFN10	
MP1493	3A, 4.2V to 16V, Constant On-Time (COT), Synchronous Step-Down Converter in a SOIC8 Package	4.2	16	3	4	1	0.805	COT/Programmable	Internal	SOIC8	
MP8716	High Efficiency 3A, 21V, 500kHz Synchronous Step-down Converter	4.5	21	3	6.1	0.7	0.81	500	Internal	SOIC8E	
MP9403	3A, 7V, 250kHz Integrated Synchronous Step-Down Converter	4.3	7	3	4.3	1.45	0.8	250		SOIC8E	
MP28258-A	High Efficiency, Fast Transient, 3A, 4.2V-20V Input Synchronous Step-down Converter with Hiccup OCP in QFN12 (2x3mm)	4.2	20	3	4.2	0.36	0.815	COT/Programmable	Internal	QFN12	
MP28256	21V, 3A 500kHz Synchronous Step-Down Converter	4.5	21	3	4.2	0.7	0.6	500	External	QFN14	

For more information please click on part No.

Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2	
MP28248	High-Efficiency, Fast-Transient, 3A, 4.2V-20V Input Synchronous Step-down Converter in a QFN12 (2x3mm) Package	4.2	20	3	5	0.44	0.815		COT/Programmable	External	QFN12	
MP1495	High Efficiency 3A, 16V, 500kHz Synchronous Step Down Converter	4.5	16	3	3	0.5	0.8	500	External	TSOT-23		
MP1497	High-Efficiency, 3A, 16V, 500kHz Synchronous, Step-Down Converter	4.5	16	3	3	0.7	0.807	500	External	TSOT-23		
MP28266	21V, 3A, 500kHz, Synchronous Step-Down Converter	6	21	3	5.5	0.6	0.603	500	External	QFN14		
MP28258	High Efficiency, Fast Transient, 3A, 4.2V-20V Input Synchronous Step-Down Converter with Latch-off OCP in QFN12 (2x3mm)	4.2	20	3	4.2	0.36	0.815		COT/Programmable	Internal	QFN12	
MP2303	3A, 28V, 340KHz Synchronous Rectified Step-Down Converter	4.75	28	3	6.3	1.3	0.8	340	External	QFN10	SOIC8E	
MP2303A	3A, 28V, 360kHz Synchronous Rectified Step-Down Converter	4.7	28	3	6	1.45	0.8	360	External	SOIC8E		
MP9181	High Efficiency, Fast Transient, 3A, 4.5V-20V Input Synchronous Step-down Converter in a Tiny 2mmx3mm QFN12 Package	4.5	20	3	5	0.36	0.815		COT	Internal	QFN12	-
MP2233	High-Efficiency, 3A, 16V, 1.4MHz Synchronous, Step-Down Converter	4.5	16	3	5	0.7	0.807	1400	External	TSOT23-8	-	
MP1475	High-Efficiency, 3A, 16V, 500kHz Synchronous, Step-Down Converter	4.5	16	3	3	0.5	0.807	500	Internal	STOT23-8	-	
MP1471	High-Efficiency, 3A Peak, 16V, 500kHz Synchronous, Step-Down Converter In a 6-Pin TSOT 23	4.7	16	3	4.2	0.83	0.8	500	Internal	TSOT23-6	-	
MP2143	3A, 5.5V, 1.2MHz, 40µA IQ, COT Synchronous Step Down Switcher	2.5	5.5	3	4.8	0.04	0.6		COT	Internal	TSOT23-8	-

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Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2
MP2235	High-Efficiency, 3A, 16V, 800kHz Synchronous, Step-Down Converter	4.5	16	3	5	0.6	0.807	800	External	STOT23-8	-
MP2315	High Efficiency 3A, 24V, 500kHz Synchronous Step Down Converter	4.5	24	3	6.6	0.17	0.788	500	Internal	TSOT23-8	-
MP2240	High-Efficiency, 3A, 16V, 800kHz Synchronous, Step-Down Converter	6	16	3	5.5	0.55	0.807	800	External	TSOT23-8	-
MP1471A	High-Efficiency, 3A 16V, 500kHz Synchronous, Step-Down Converter In a 6-Pin TSOT23	4.5	16	3	4.6	0.84	0.804	500	Internal	TSOT23-6	-
MP4462	3.5A, 4MHz, 36V Step-Down Converter	4.5	36	3.5	4.7	0.1	0.8	4000 (Adj)	Internal	QFN10	SOIC8E
MP2130	High Light-Load Efficiency, Low-Voltage, 3.5A, 6V, 1.2MHz Constant On-Time (COT) Synchronous Buck in a 2x2mm QFN Package	2.7	6	3.5	4.5	0.04	0.6	COT/Programmable	Internal	QFN10	
MP2207	16V, 4A, 1.3MHz Synchronous Step-Down Converter	3	16	4	6.5	0.75	0.8	1300	Internal	QFN10	SOIC8E
MP2214	16V, 4A, 600kHz Synchronous Step-Down Converter	3	16	4	7.5	0.75	0.8	600	Internal	QFN14	SOIC8E
MP2107 & MP2108	4A, 5.5V Synchronous Step-Down Switching Regulator	2.7	6	4		0.75	0.8	1500		QFN10	SOIC8
MP28115	4A, 1.5MHz Synchronous Step-Down Converter	2.7	6	4	6.5	0.75	0.8	1500	Internal	QFN10	
MP38115	Ultra Low Voltage, 4A, 5.5V Synchronous Step-Down Switching Regulator	1.1	5.5	4	6.5	0.75	0.8	1500	Internal	QFN10	
MP28254	High Efficiency 4A, 21V, 500kHz Synchronous Step-Down Converter	4.5	21	4	5	0.7	0.805	500		QFN14	
MP28255	21V, 4A, 500kHz Synchronous Step-Down Converter	4.5	21	4	5.6	0.7	0.805	500		QFN14	
MP8718	High Efficiency, 4A, 21V, 500kHz Synchronous Step-Down Converter	4.5	21	4	6.1	0.7	0.8	500	Internal	SOIC8E	

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Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2
MP8715	100% Duty Cycle Synchronous 4A, 21V, 500kHz Step-Down Converter	4.5	21	4	7	0.66	0.805	500	External	SOIC8E	
MP8709	High Efficiency 4A, 21V, 500kHz Synchronous Step-down Converter	4.5	21	4	6.1	0.7	0.8	500	Internal	SOIC8E	
MP28257	4A, Fast Transient, 4.2V-to-20V Input Synchronous Step-Down Converter 2mmx3mm QFN12	4.2	20	4	7	0.5	0.815	COT/Programmable	Internal	QFN12	
MP2208	16V, 4A, 600kHz Synchronous Step-Down Converter	3	16	4			0.794	600		QFN14	
MP28251	20V, 4A Synchronous Step-Down Converter	4.75	20	4	5.6	1	0.815	Programmable	External	QFN12	
MP2308	18V, 4A Synchronous Step-Down Converter	4.75	18	4	5.6	1	0.815	Programmable	External	QFN14	
MPQ8632-4	High Efficiency 18V Synchronous Step-Down Converter Family for 4A to 20A	4.2	18	4	7.5	0.8	0.611	COT/Programmable	External	QFN16	-
MP9151	20V, 4A Synchronous Step-Down Converter	4.5	20	4	7	0.7	0.795	Programmable	External	QFN14	-
MP38894	4.5A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	4.5	6.5	0.9	0.808	420	Internal	SOIC8E	
MP8676	4.5A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	4.5		0.9	0.808	420		SOIC8	
MP2380	5A, 21V, 600kHz Step-Down Converter. Power Good Output. Output Adjustable from 0.81V.	4.5	21	5	7.3	0.9	0.81	600	Internal	SOIC8E	
MP2482	5A, 30V, 420kHz Step-Down Converter. Power Good Output. Output Adjustable from 0.81V.	4.5	30	5	7.5	0.9	0.808	420		SOIC8E	SOIC8
MP28490	5A, 30V, 420kHz Step-Down Converter. Power Good Output. Output Adjustable from 0.8V to 15V.	4.5	30	5	7.5	0.9	0.808	420		SOIC8E	

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Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2
MP28275	7V, 5A, 1.1MHz Synchronous Step-Down Converter	4.5	7	5	7	1	0.805	1100	Internal	QFN14	
MP8725	21V, 500kHz, 5A Synchronous Step-Down Converter. Monolithic High Voltage, High Efficiency with 20mΩ LS Rds(on).	4.5	21	5	6	0.7	0.8	500	Internal	QFN14	
MP28265	21V, 1.1MHz, 5A Synchronous Step-Down Converter. Power Good Output. Internal Comp.	5	21	5	6	0.7	0.81	1100	Internal	QFN14	
MP1499	High Efficiency 5A Peak, 16V, 500kHz Synchronous Step Down Converter	4.5	16	5	9	0.6	0.807	500	External	QFN10	-
MPQ4470	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	8	0.5	0.815	200KHz	External	QFN20	-
MP4470	High-Efficiency, Fast-Transient, 5A, 36V Synchronous, Step-Down Converter	4.5	36	5	8	0.5	0.8	1000	External	QFN20	-
MP38892	6A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	6	8	0.9	0.808	420	Internal	SOIC8E	
MP8352	3V-6V Input, 6A, 600kHz Step-Down Converter with Synchronizable Gate Driver	3	6	6	8	0.75	0.808	600	Internal	QFN14	
MP8726	21V, 6A Peak Current, 500kHz Synchronous Step-Down Converter	5	21	6	7	0.7	0.81	500	Internal	QFN14	
MP8666	6A, 21V, 600kHz Step-Down Converter with Synchronizable Gate Driver	4.5	21	6	8	0.9	0.808	600		SOIC8E	
MP38872	6A, 21V, 600kHz Step-Down Converter with Synchronizable Gate Driver. Power Good Output. Integrated High-Side Power Switch.	4.5	21	6	8	0.9	0.808	600	Internal	QFN14	

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Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2
MP8670	6A, 30V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	30	6	8	0.9	0.808	420		SOIC8E	
MP8675	6A, 40V, 420kHz Step-Down Converter with Synchronizable Gate Driver	4.5	42	6	8	0.9	0.808	420		SOIC8E	
MP38891	6A, 42V, 420kHz Step-Down Converter with Synchronizable Gate Driver. Integrated High-Side Power Switch.	4.5	30	6	8	0.9	0.808	420	Internal	QFN14	
MP8736	Fully Integrated 30mΩ/12mΩ, High Efficiency, Fast Transient, 6A, 19V, Constant On-Time (COT), Synchronous Buck Converter in a 3x4mm QFN Package	4.5	19	6	12	0.5	0.815	COT/Programmable	External	QFN20	
NB650H	High-Efficiency, Fast-Transient, 6A, 28V Synchronous Step-Down Converters with 2-Bit VID	4.5	28	6	10	0.4	0.6	COT/Programmable	External	QFN17	-
MPQ8632-6	High Efficiency, 6A, 18V Synchronous Step-Down Converter	4.2	18	6	7.5	0.8	0.611	COT/Programmable	External	QFN16	-
NB669	24V, High Current Synchronous Buck Converter With LDO	6.5	24	6	8.5	0.22		500	Internal	QFN16	-
NB670	24V, High Current Synchronous Buck Converter With LDO	5	24	6	8.5	0.22		500	Internal	QFN16	-
NB671	24V, High Current Synchronous Step-down Converter	5	24	6	8.5	0.135	0.604	500	Internal	QFN16	-
NB671A	24V, High Current Synchronous Step-down Converter	5	24	6	8.5	0.135	0.604	500	Internal	QFN16	-
MPQ8616-6	High Efficiency, 6A, 6V Synchronous Step-Down Converter	3	6	6	12	1.05	0.61	COT/Programmable	External	QFN14	-
MP9186	20V, 6A Synchronous Step-Down Converter	4.5	20	6	9.4	0.8	798	Programmable	External	QFN14	-

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NB638	Fully Integrated, 30mΩ/12mΩ, High Efficiency, Fast Transient, 7A, 28V, Constant On-Time (COT), Synchronous Step-Down Converter in a 3x4mm QFN Package	4.5	28	7	12	0.5	0.815		COT/Programmable	External	QFN20	
MP38874	8A, 21V, 600kHz Step-Down Converter with Synchronizable Gate Driver	4.5	21	8	9.5	1.1	0.81	600		Internal	QFN14	
NB639	Fully Integrated, 30mΩ/12mΩ, High Efficiency, Dual Supply, 8A, 28V, Constant On-Time (COT), Synchronous Step-Down Converter in a 3x4mm QFN Package	4.5	28	8	16.5	0.39	0.815		COT/Programmable	External	QFN20	
NB6381	Fully Integrated, 30mΩ/12mΩ, High Efficiency, Fast Transient, 8A, 28V, Constant On-Time (COT), Synchronous Step-Down Converter in a 3x4mm QFN Package	4.5	28	8	12	0.5	0.815		COT/Programmable	External	QFN20	
MPQ8632-8	High Efficiency 18V Synchronous Step-Down Converter Family for 4A to 20A	4.2	18	8	13.8	0.8	0.611		COT/Programmable	External	QFN16	-
MP38671	25V, 600kHz, 10A Step-Down Converter with Synchronizable Gate Driver. Power Good Output.	4.5	25	10	12	1.1	0.81	600		Internal	QFN14	
MP38900 & M	Fully Integrated, 27mΩ/10mΩ, High Efficiency, Fast Transient, 10A, 16V, Constant On-Time (COT), Synchronous Step-Down Converter in a 3x4mm QFN Package	4.5	16	10	16.5	0.39	0.815		COT/Programmable	External	QFN20	
MP8762	High Efficiency, 10A, 18V Synchronous Step-down Converter	4.2	18	10	17	0.8	0.611		COT/Programmable	External	QFN13	

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Product	Product Info	Vin (Min) (V)	Vin (Max) (V)	Iout (Max) (A)	Isw Typ (A)	Iq (Typ) (mA)	Vfb (V)	Freq 1 (kHz)	Soft Start	Package 1	Package 2
MPQ8632-10	High Efficiency 18V Synchronous Step-Down Converter Family for 4A to 20A	4.2	18	10	17.3	0.8	0.611	COT/Programmable	External	QFN16	-
NB675	24V, High Current Synchronous Buck Converter With +/-1.5A LDO and Buffered Reference	5	24	10	11	0.4	0.604	500	Intrnal	QFN21	-
MP8606	6A, 6.5V, Fast-Transient, Synchronous Step-Down Converter	2.9	6.5	10		0.8	0.6	COT/Variable	External	QFN18	-
MPQ8632-12	High Efficiency 18V Synchronous Step-Down Converter Family for 4A to 20A	4.2	18	12	20.8	0.8	0.611	COT/Programmable	External	QFN16	-
MPQ8616-12	High Efficiency, 12A, 6V Synchronous Step-Down Converter	3	6	12	23	1.05	0.61	COT/Programmable	External	QFN14	-
MPQ8612-12	High Efficiency, 12A, 6V Synchronous Step-Down Converter	3	6	12	21	1.1	0.608	COT/Programmable	External	QFN14	-
MP38873	15A, 16V, High Frequency Step-Down Converter with Synchronous Gate Driver. Power Good Output. 18mΩ Integrated High-Side Power Switch.	4.5	16	15	21	1	0.81	400	External	QFN20	
MP38875	15A, 16V, 800kHz Step-Down Converter with Synchronous Gate Driver. Power Good Output. 18mΩ Integrated High-Side Power Switch.	4.5	16	15	21	1.2	0.81	800	External	QFN20	
MP38876	15A, 28V, High Frequency Step-Down Converter with Synchronous Gate Driver. Power Good Output. 18mΩ Integrated High-Side Power Switch.	4.5	28	15	21	1.2	0.81	400	External	QFN20	
MP8652	15A, 14V, High Frequency Step-Down Converter with Synchronous Gate Driver	4.5	14	15	21	1	0.81	400		QFN20	

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MPQ8632-15	High Efficiency 18V Synchronous Step-Down Converter Family for 4A to 20A	4.2	18	15	7.5	0.8	0.611	COT/Programmable	External	QFN29	-
MPQ8612-16	High Efficiency, 16A, 6V Synchronous Step-Down Converter	3	6	16	21	1.1	0.608	COT/Programmable	External	QFN17	-
MPQ8636-20	High Efficiency, 20A, 18V Synchronous, Step-Down Converter	4.5	18	20	25	0.8	0.611	COT/Programmable	External	QFN29	-
MPQ8632-20	High Efficiency 18V Synchronous Step-Down Converter Family for 4A to 20A	4.2	18	20	7.5	0.8	0.611	COT/Programmable	External	QFN29	-
MPQ8612-20	High Efficiency, 20A, 6V Synchronous Step-Down Converter	3	6	20	21	1.1	0.608	COT/Programmable	External	QFN17	-
MP8620	25A, 16V, Fully Integrated Synchronous Buck	6	16	25	20	2	0.8	600 (Adj.)	External	QFN46	
MPQ6400	Low Quiescent Current Programmable-Delay Supervisory Circuit AEC-Q100 Qualified	1.8	6			1.6				TSOT23-6	QFN6

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