

MICROCHIP Power Management



Products may be RoHS compliant.
Check mouser.com for RoHS status.

LINEAR REGULATORS (CONT.)

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Output Current (mA)	Output Voltage (V)	Dropout Voltage (Max.) (mV)	Input Voltage (Max.) (V)	Iq (Typ) (µA)	Voltage Accuracy (Typ.) (%)	Price Each			
									1	10	25	100
◆ 579-MCP1825S-3302EDB	MCP1825S-3302E/DB	SOT-223-3	500	3.3	210	6	120	0.5	.56	.51	.43	.39
◆ 579-MCP1725-3302E/SN	MCP1725-3302E/SN	SOIC-8	500	3.3	350	6	120	0.5	.56	.51	.43	.39
◆ 579-TC1262-3.3VAB	TC1262-3.3VAB	TO-220-3	500	3.3	350	6	----	0.5	.90	.82	.69	.62
◆ 579-TC1262-3.3VDB	TC1262-3.3VDB	SOT-223-3	500	3.3	350	6	----	0.5	.56	.51	.43	.39
◆ 579-TC1262-3.3VDBTR	TC1262-3.3VDBTR	SOT-223-3	500	3.3	350	6	----	0.5	.56	.51	.43	.39
◆ 579-MCP1825S-5002EAB	MCP1825S-5002E/AB	TO-220-3	500	5.0	210	6	120	0.5	.90	.82	.69	.62
◆ 579-MCP1825S-5002EDB	MCP1825S-5002E/DB	SOT-223-3	500	5.0	210	6	120	0.5	.56	.51	.43	.39
◆ 579-TC1262-5.0VDB	TC1262-5.0VDB	SOT-223-3	500	5.0	350	6	----	0.5	.56	.51	.43	.39
◆ 579-MCP1825T-ADJE/DC	MCP1825T-ADJE/DC	SOT-223-5	500	Adj.	210	6	120	0.5	.56	.51	.43	.39
◆ 579-TC1264-3.3VDB	TC1264-3.3VDB	SOT-223-3	800	3.3	450	6	----	0.5	.74	.68	.57	.52
◆ 579-MCP1826S-1202EDB	MCP1826S-1202E/DB	SOT-223-3	1000	1.2	225	6	120	0.5	.74	.68	.57	.52
◆ 579-MCP1726-1202E/SN	MCP1726-1202E/SN	SOIC-8	1000	1.2	500	6	140	0.5	.74	.68	.57	.52
◆ 579-MCP1826S-1802EDB	MCP1826S-1802E/DB	SOT-223-3	1000	1.8	225	6	120	0.5	.74	.68	.57	.52
◆ 579-MCP1826S-3302EAB	MCP1826S-3302E/AB	TO-220-3	1000	3.3	225	6	120	0.5	1.06	.98	.82	.74
◆ 579-MCP1826S-3302EDB	MCP1826S-3302E/DB	SOT-223-3	1000	3.3	225	6	120	0.5	.74	.68	.57	.52
◆ 579-MCP1826S-3302EAB	MCP1826S-3302E/AB	DDPAK-3	1000	3.3	225	6	120	0.5	1.06	.98	.82	.74
◆ 579-MCP1726-3302E/SN	MCP1726-3302E/SN	SOIC-8	1000	3.3	500	6	140	0.5	.74	.68	.57	.52
◆ 579-MCP1826S-5002EAB	MCP1826S-5002E/AB	TO-220-3	1000	5.0	225	6	120	0.5	1.06	.98	.82	.74
◆ 579-MCP1826S-5002EDB	MCP1826S-5002E/DB	SOT-223-3	1000	5.0	225	6	120	0.5	.74	.68	.57	.52
◆ 579-MCP1826-ADJE/AT	MCP1826-ADJE/AT	TO-220-5	1000	Adj.	225	6	120	0.5	1.06	.98	.82	.74
◆ 579-MCP1726-ADJE/SN	MCP1726-ADJE/SN	SOIC-8	1000	Adj.	500	6	140	0.5	.74	.68	.57	.52
◆ 579-MCP1727-3302E/SN	MCP1727-3302E/SN	SOIC-8	1500	3.3	330	6	120	0.5	.90	.82	.69	.62
◆ 579-MCP1827S3302E/AB	MCP1827S-3302E/AB	TO-220-3	1500	3.3	330	6	120	0.5	1.24	1.13	.94	.86
◆ 579-MCP1827S3302E/EB	MCP1827S-3302E/EB	DDPAK-3	1500	3.3	330	6	120	0.5	1.24	1.13	.94	.86
◆ 579-MCP1727-ADJE/SN	MCP1727-ADJE/SN	SOIC-8	1500	Adj.	330	6	220	0.5	.90	.82	.69	.62
◆ 579-MCP1827-ADJE/AT	MCP1827-ADJE/AT	TO-220-5	1500	Adj.	330	6	120	0.5	1.24	1.13	.94	.86

DC/DC SWITCHING REGULATORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	VIN (Min.) (V)	VIN (Max.) (V)	VOUT (Min.) (V)	VOUT (Max.) (V)	IOUT (Max.) (mA)	Switching Frequency (Max.) (kHz)	Price Each				
									1	10	25	100	
Synchronous Buck Regulators													
◆ 579-MCP1601-I/MS	MCP1601-I/MS	MSOP-8	2.7	5.5	0.9	VIN	500	750	1.34	1.23	1.02	.93	
Step-Down Regulators													
◆ 579-MCP16301T-I/CHY	MCP16301T-I/CHY	SOT-23-6	4.0	30	2	15	600	550	1.28	1.16	.97	.88	
◆ 579-MCP1603T-180I/OS	MCP1603T-180I/OS	TSOT-5	2.7	5.5	0.8	1.8	500	2000	1.06	.98	.82	.74	
◆ 579-MCP1603T-330I/OS	MCP1603T-330I/OS	TSOT-5	2.7	5.5	0.8	3.3	500	2000	1.06	.98	.82	.74	
◆ 579-MCP1603T-ADJ/OS	MCP1603T-ADJ/OS	TSOT-5	2.7	5.5	0.8	Adj.	500	2000	1.06	.98	.82	.74	
◆ 579-MCP1612-ADJ/MS	MCP1612-ADJ/MS	MSOP-8	2.7	5.5	0.8	Adj.	1000	1400	1.66	1.52	1.27	1.15	
Step-Up Regulators													
◆ 579-MCP1640B-I/MC	MCP1640B-I/MC	DFN-8	0.65	5.5	2	5.5	350	500	.66	.61	.50	.46	
◆ 579-MCP1640BT-I/CHY	MCP1640BT-I/CHY	SOT-23-6	0.65	5.5	2	5.5	500	500	.62	.57	.48	.44	
◆ 579-MCP1640CT-I/CHY	MCP1640CT-I/CHY	SOT-23-6	0.65	5.5	2	5.5	350	500	.62	.57	.48	.44	
◆ 579-MCP1640D-I/MC	MCP1640D-I/MC	DFN-8	0.65	5.5	2	5.5	350	500	.66	.61	.50	.46	
◆ 579-MCP1640DT-I/CHY	MCP1640DT-I/CHY	SOT-23-6	0.65	5.5	2	5.5	350	500	.62	.57	.48	.44	
◆ 579-MCP1640I/MC	MCP1640I/MC	DFN-8	0.65	5.5	2	5.5	350	500	.66	.61	.50	.46	
◆ 579-MCP1640TI/CHY	MCP1640TI/CHY	SOT-23-6	0.65	5.5	2	5.5	350	500	.62	.57	.48	.44	
◆ 579-MCP1650R-E/MS	MCP1650R-E/MS	MSOP-8	2.7	5.5	2.5	5.5	-----	750	1.42	1.30	1.09	.99	
◆ 579-MCP1652R-E/MS	MCP1652R-E/MS	MSOP-8	2.7	5.5	2.5	5.5	-----	750	1.50	1.37	1.14	1.04	
Development Tools									Price Each				
579-ADM00360	ADM00360	Description							14.99				
579-ADM00352	ADM00352	Demonstration Board for MCP16301, a high high voltage buck converter (D2PAK, 300mA)							19.99				
							Demonstration Board for MCP16301, a high high voltage buck converter (SOT-23-6, 600mA)						

CHARGE PUMPS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	VDD (Min.) (V)	VDD (Max.) (V)	VOUT (V)	Oscillator Frequency (Max.) (kHz)	Operating Temp. Range (°C)	Price Each			
								1	10	25	100
◆ 579-TC7660COA	TC7660COA	SOIC-8	1.5	10	-VIN or 2xVIN	10	0 to 70	.94	.79	.66	.60
◆ 579-TC7660CPA	TC7660CPA	PDIP-8	1.5	10	-VIN or 2xVIN	10	0 to 70	.94	.79	.66	.60
◆ 579-TC7660EOA	TC7660EOA	SOIC-8	1.5	10	-VIN or 2xVIN	10	-45 to 85	.94	.79	.66	.60
◆ 579-TC7660HCPA	TC7660HCPA	PDIP-8	1.5	10	-VIN or 2xVIN	120	0 to 70	1.20	1.00	.84	.76
◆ 579-TC7660HEPA	TC7660HEPA	PDIP-8	1.5	10	-VIN or 2xVIN	120	-40 to 85	1.20	1.00	.84	.76
◆ 579-TC1044SCOA	TC1044SCOA	SOIC-8	1.5	12	-VIN or 2xVIN	45	0 to 70	1.02	.93	.78	.71
◆ 579-TC1044SCPA	TC1044SCPA	PDIP-8	1.5	12	-VIN or 2xVIN	45	0 to 70	1.02	.93	.78	.71
◆ 579-TC1044SEPA	TC1044SEPA	PDIP-8	1.5	12	-VIN or 2xVIN	45	-45 to 85	1.02	.93	.78	.71
◆ 579-TC7660SCOA	TC7660SCOA	SOIC-8	1.5	12	-VIN or 2xVIN	45	0 to 70	1.08	.90	.75	.68
◆ 579-TC7660SEOA	TC7660SEOA	SOIC-8	1.5	12	-VIN or 2xVIN	45	-40 to 85	1.08	.90	.75	.68
◆ 579-MCP1252-ADJ/MS	MCP1252-ADJ/MS	MSOP-8	2	5.5	5.5 to 5.5	780	-40 to 85	1.48	1.37	1.14	1.04
◆ 579-MCP1253-ADJ/MS	MCP1253-ADJ/MS	MSOP-8	2	5.5	5.5 to 5.5	1200	-40 to 85	1.48	1.37	1.14	1.04
◆ 579-MCP125333X50I/MS	MCP1252-33X50I/MS	MSOP-8	2.1	5.5	3.3 or 5.0	780	-45 to 85	1.48	1.37	1.14	1.04
◆ 579-MCP125333X50I/MS	MCP1253-33X50I/MS	MSOP-8	2.1	5.5	3.3 or 5.0	1200	-45 to 85	1.48	1.37	1.14	1.04
◆ 579-TC7662ACPA	TC7662ACPA	PDIP-8	3	18	-VIN or 2xVIN	12	0 to 70	3.16	2.64	2.20	2.00
◆ 579-TC7662AEPA	TC7662AEPA	PDIP-8	3	18	-VIN or 2xVIN	12	-40 to 85	4.34	3.62	3.01	2.74
◆ 579-TC7662BCOA	TC7662BCOA	SOIC-8	3	18	-VIN or 2xVIN	12	0 to 70	2.28	1.90	1.58	1.44
◆ 579-TC7662BCPA	TC7662BCPA	PDIP-8	3	18	-VIN or 2xVIN	12	0 to 70	2.28	1.90	1.58	1.44
◆ 579-TC7662BEOA	TC7662BEOA	SOIC-8	3	18	-VIN or 2xVIN	12	-40 to 85	2.66	2.22	1.85	1.68
◆ 579-TC7662BEPA	TC7662BEPA	PDIP-8	3	18	-VIN or 2xVIN	12	-40 to 85	2.66	2.22	1.85	1.68
◆ 579-TC962COE	TC962COE	SOIC-16W	3	18	-VIN or 2xVIN	24	0 to 70	3.48	2.90	2.42	2.20
◆ 579-TC962EPA	TC962EPA	PDIP-8	3	18	-VIN or 2xVIN	24	-40 to 85	3.48	2.90	2.42	2.20

SYSTEM SUPERVISORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Nominal Reset Voltage	VCC (Min./Max.) (V)	ICC (Typ) (µA)	Reset Type	Output	Operating Temp. Range (°C)	Price Each			
									1	10	25	100
◆ 579-TCM8092VLB713	TCM8092VLB713	SOT-23B-3	2.320	1.0/5.5	12	Active Low	Push-Pull	-40 to 125	.40	.34	.29	.26
◆ 579-MCP100T-270I/TT	MCP100T-270I/TT	SOT-23-3	2.625	1.0/5.5	45	Active Low	Push-Pull	-40 to 85	.40	.34	.29	.26