

Switch-Mode Voltage Regulator Selection Guide

Micrel Advantage

- Best efficiency
- Highest speed
- Smallest solution size

Buck Regulators (Internal Switches)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Frequency	Package	Comments
MIC4721	2.7V to 5.5V	Adj. to 1V	1.5A	2MHz	MSOP-10	Ultra-Fast Response Internal Compensation.
MIC4722	2.7V to 5.5V	Adj. to 1V	3A	2.7MHz	MLF [®] -12 (3 x 3mm)	Ultra-Fast, Ultra-Small.
MIC4723	2.7V to 5.5V	Adj. to 1V	3A	2MHz	MLF [®] -12 (3 x 3mm), eMSOP-10	Ultra-Fast, Ultra-Small.
MIC4724	3.0V to 6.0V	Adj. to 1V	3A	2MHz	eMSOP-10	Ultra-Fast, Ultra-Small.
MIC4742	2.9V to 5.5V	Adj. to 0.6V	2A Dual Output	2MHz	MLF [®] -16 (3 x 3mm), eTSSOP-16	Integrated Dual 2A switcher.
MIC4782	3.0V to 6.0V	Adj. to 0.6V	2A Dual Output	1.8MHz	MLF [®] -16 (3 x 3mm)	Low-cost Dual 2A switcher.
MIC4744	2.9V to 5.5V	Adj. to 0.6V	2A Dual Output	4MHz	MLF [®] -16 (3 x 3mm), eTSSOP-16	High-efficiency, Integrated Dual 2A switcher.
MIC2207	2.7V to 5.5V	Adj. to 1V	3A	2MHz	MLF [®] -12 (3 x 3mm)	Ultra-Fast, Ultra-Small.
MIC2208	2.7V to 5.5V	Adj. to 1V	3A	1MHz	MLF [®] -12 (3 x 3mm)	External Compensation.
MIC4720	2.7V to 5.5V	Adj. to 1V	2A	2MHz	MLF [®] -12 (3 x 3mm), eMSOP-10	Ultra-Fast, Ultra-Small.
MIC4680	4.0V to 34V	3.3V, 5V, Adj.	1.3A	200kHz	SOIC-8	
MIC4681	4.0V to 30V	Adj.	2A Peak	200kHz	SOIC-8	
MIC4682	4.0V to 34V	Adj.	2A	200kHz	SOIC-8	10% Precision Adjustable Current Limit.
MIC4684	4.0V to 30V	Adj.	2A	200kHz	SOIC-8	
MIC4685	4.0V to 30V	Adj.	3A	200kHz	SPAK-7	33% Smaller Than TO-263 (D2Pak).
MIC4690	4.0V to 30V	Adj.	1.3A	500kHz	SOIC-8	500kHz: Small Inductor.
MIC4574	4.0V to 24V	3.3V, 5V, Adj.	0.5A	200kHz	PDIP-8, SOIC-14	
MIC4575	4.0V to 24V	3.3V, 5V, Adj.	1A	200kHz	TO220-5, TO263-5	
MIC4576	4.0V to 36V	3.3V, 5V, Adj.	3A	200kHz	TO220-5, TO263-5	
LM2574	4.0V to 40V	3.3V, 5V, 12V, Adj.	0.5A	52kHz	PDIP-8	
LM2575	4.0V to 40V	3.3V, 5V, 12V, Adj.	1A	52kHz	TO220-5, TO263-5, PDIP-16, SOIC-24	
LM2576	4.0V to 40V	3.3V, 5V, 12V, Adj.	3A	52kHz	TO220-5, TO263-5	

Synchronous Buck Regulators (Internal Switches)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Frequency	Package	Comments
MIC2267 New!	3.0V to 5.5V	Adj. to 1V	1.6A	400kHz to 300kHz	MLF [®] -12 (3 x 3mm)	Input Current Limiting Synchronous Buck Regulator - USB Power Maximizer™.
MIC26400	4.5V to 26V	Adj. to 0.8V	5A	300kHz	MLF [®] -28 (5 x 6mm)	Ultra-Fast Transient Response, High V _{IN} to Low V _{OUT} . Any Capacitor™ Stable.
MIC26600	4.5V to 26V	Adj. to 0.8V	7A	300kHz	MLF [®] -28 (5 x 6mm)	Ultra-Fast Transient Response, High V _{IN} to Low V _{OUT} . Any Capacitor™ Stable.
MIC26950	4.5V to 26V	Adj. to 0.8V	12A	300kHz	MLF [®] -28 (5 x 6mm)	Ultra-Fast Transient Response, High V _{IN} to Low V _{OUT} . Any Capacitor™ Stable.
MIC27600 New!	4.5V to 36V	Adj. to 0.8V	7A	300kHz	MLF [®] -28 (5 x 6mm)	Ultra-Fast Transient Response, High V _{IN} to Low V _{OUT} . Any Capacitor™ Stable.
MIC2177	4.5V to 16.5V	3.3V, 5V, Adj.	2.5A	200kHz	WSOIC-20	Auto-Skip Mode.
MIC2178	4.5V to 16.5V	3.3V, 5V, Adj.	2.5A	200kHz	WSOIC-20	Manual-Select Skip Mode.
MIC2179	4.5V to 16.5V	3.3V, 5V, Adj.	1.5A	200kHz	SSOP-20	
MIC2202	2.3V to 5.5V	Adj. to 0.5V	0.6A	2MHz	MSOP-10, MLF [®] -10 (3 x 3mm)	1μF Ceramic Stable.
MIC2203	2.3V to 5.5V	Adj. to 0.5V	0.3A	1MHz	MSOP-10, MLF [®] -10 (3 x 3mm)	1μF Ceramic Stable.
MIC2204	2.3V to 5.5V	Adj. to 1V	0.6A	2MHz	MSOP-10, MLF [®] -10 (3 x 3mm)	Synchronizable to External Clock.
MIC2205	2.7V to 5.5V	1.58V, Adj.	0.6A	2MHz	MLF [®] -10 (3 x 3mm)	LowQ [®] LDO Mode. No Noise at Light Load.
MIC2245	2.7V to 5.5V	Adj.	0.5A	4MHz	MLF [®] -10 (3 x 3mm)	LowQ [®] LDO Mode. No Noise at Light Load.
MIC2285A	2.7V to 5.5V	Adj.	0.6A	8MHz	Thin MLF [®] -10 (2 x 2mm)	LowQ [®] LDO Mode. No Noise at Light Load.
MIC2206	2.7V to 5.5V	1.8V(1.0V), 1.2V(1.0V)	0.6A	2MHz	MLF [®] -10 (3 x 3mm)	Voltage Scaling in LowQ [®] Mode.
MIC2224	2.7V to 5.5V	Adj. to 0.3V	0.6A	2MHz	MLF [®] -10 (3 x 3mm)	DAC Controlled V _{OUT} with Bypass Switch.
MIC22200	2.6V to 5.5V	Adj. to 0.7V	2A	800kHz to 4MHz	MLF [®] -12 (3 x 3mm)	Sequencing/Tracking Easy Compensation.
MIC22400	2.6V to 5.5V	Adj. to 0.7V	4A	300kHz to 4MHz	MLF [®] -20 (3 x 4mm), eTSSOP-20	Sequencing/Tracking Easy Compensation.
MIC22600	2.6V to 5.5V	Adj. to 0.7V	6A	1MHz	MLF [®] -24 (4 x 4mm)	Sequencing/Tracking Easy Compensation.

Switch-Mode Voltage Regulator Selection Guide

Synchronous Buck Regulators (Internal Switches) (Continued)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Frequency	Package	Comments
MIC22601	2.6V to 5.5V	Adj. to 0.7V	6A	4MHz	MLF [®] -24 (4 x 4mm)	High PWM Frequency; High Efficiency.
MIC22602	2.6V to 5.5V	Adj. to 0.7V	6A	1MHz	MLF [®] -24 (4 x 4mm)	High Efficiency; Hiccup Mode Current Limiting.
MIC22700	2.6V to 5.5V	Adj. to 0.7V	7A	1MHz	MLF [®] -24 (4 x 4mm)	High Efficiency, Sequencing/Tracking.
MIC22705 New!	2.9V to 5.5V	Adj. to 0.7V	7A	1MHz	MLF [®] -24 (4 x 4mm)	Pre-bias Safe, High Efficiency.
MIC22950	2.6V to 5.5V	Adj. to 0.7V	10A	400kHz to 2MHz	MLF [®] -32 (5 x 5mm)	Highest power density, >95% Efficiency.
MIC23031	2.7V to 5.5V	1.0V, 1.2V, 1.5V, 1.8V, Adj.	0.4A	4MHz	Thin MLF [®] (1.6 x 1.6mm)	PWM Buck Regulator with HyperLight Load™.
MIC23030	2.7V to 5.5V	1.0V, 1.2V, 1.5V, 1.8V, Adj.	0.4A	8MHz	Thin MLF [®] (1.6 x 1.6mm)	PWM Buck Regulator with HyperLight Load™.
MIC23050	2.7V to 5.5V	1.0V, 1.2V, 1.8V, 3.3V	0.6A	4MHz	MLF [®] (2 x 2mm)	PWM Buck Regulator with HyperLight Load™.
MIC23051	2.7V to 5.5V	1.2V (1.0V), 1.25V (0.95V), 1.4V (1.15V), 1.8V (1.0V)	0.6A	4MHz	MLF [®] (2 x 2mm)	PWM Buck Regulator with HyperLight Load™ and Voltage Scaling.
MIC23150	2.7V to 5.5V	1.0V, 1.2V, 1.35V, 1.8V, 3.3V	2.0A	4MHz	Thin MLF [®] (2 x 2mm)	PWM Buck Regulator with HyperLight Load™.
MIC23153	2.7V to 5.5V	1.8V, Adj.	2.0A	4MHz	Thin MLF [®] (2.5 x 2.5mm)	PWM Buck Regulator with HyperLight Load™ Power Good and Soft Start.

Synchronous Buck Regulators (Internal Switches + Internal Inductor)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Frequency	Package	Comments
MIC33030	2.7V to 5.5V	1.2V, 1.8V, 2.5, Adj.	0.4A	8MHz	MLF [®] -12 (2.5 x 2mm)	8MHz Operation with Internal Chip Inductor, HyperLight Load™.
MIC33050	2.7V to 5.5V	1.0V, 1.2V, 1.8V, 3.3V	0.6A	4MHz	MLF [®] -12 (3 x 3mm)	4MHz Operation with Internal Chip Inductor, HyperLight Load™.
MIC33153 New!	2.7V to 5.5V	1.2V, Adj.	1.2A	4MHz	MLF [®] -14 (3 x 3.5mm)	4MHz Operation with Internal Chip Inductor, HyperLight Load™.
MIC3385	2.7V to 5.5V	1.5V, Adj.	0.6A	8MHz	MLF [®] -14 (3 x 3.5mm)	8MHz Operation with Internal Chip Inductor, HyperLight Load™.

Dual Synchronous Buck Regulators (Internal Switches)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Frequency	Package	Comments
MIC2238	2.5V to 5.5V	1.2/1.8V, 1.2/2.5V, 1.2/3.3V, 1.8/1.58 1.8/3.3, 3.3/3.3, Adj./Adj.	800/800mA	2.5MHz	MLF [®] -12 (3 x 3mm)	POR/PG Pin. Trickle Mode™ at Light Load. Independent Enables.
MIC23250	2.7V to 5.5V	1.2/1.8V, 1.0/1.2V, 0.9/1.1V, 1.2/1.6V, 1.2/1.5V 1.2/3.3V, 1.575/1.8V, 2.6/3.3V, Adj./Adj.	400/400mA	4MHz	Thin MLF [®] -10 (2 x 2mm) Thin MLF [®] -12 (2.5 x 2.5mm)	PWM Buck Regulators with HyperLight Load™. Independent Enables.
MIC23254	2.7V to 5.5V	1.0/1.8V	400/400mA	4MHz	Thin MLF [®] -10 (2 x 2mm)	PWM Buck Regulators with HyperLight Load™. Independent Enables.
MIC25400 New!	4.5V to 13.2V	Adj. down to 0.7V	2A per channel	1MHz	MLF [®] -24 (4 x 42mm)	Dual Channel, 180° Out of Phase. Programmable Current Limit.

Buck Controllers (External Switches)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Efficiency (Typ)	I _Q (Typ)	Shutdown I _Q (Typ)	Frequency	Package	Comments
MIC2184	2.9V to 16V	Adj.	External P-FET, 1A to 10A	90%	600µA	0.5µA	200/400kHz	SOIC-16 QSOP-16	Can also be configured as Buck-Boost.
MIC2194	2.9V to 14V	Adj.	External P-FET, 1A to 10A	90%	1mA	0.5µA	400kHz	SOIC-8	

Synchronous Buck Controllers (External Switches)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Efficiency (Typ)	I _Q (Typ)	Shutdown I _Q (Typ)	Frequency	Package	Comments
MIC2124	3V to 18V	Adj. to 0.8V	External FETs, 25A	94%	1.4mA	1mA	300kHz	MSOP-10	Hyper Speed Control™ Architecture.
MIC2164	3V to 28V	Adj. to 0.8V	External FETs, 25A	95%	1.4mA	0.8mA	300kHz	MSOP-10	Hyper Speed Control™ Architecture.
MIC2164C	3V to 28V	Adj. to 0.8V	External FETs, 25A	95%	1.4mA	0.8mA	300kHz	MSOP-10	V _{OUT} Down to 0.8V w/±3% Accuracy.
MIC2164-2	3V to 28V	Adj. to 0.8V	External FETs, 25A	95%	1.4mA	0.8mA	600kHz	MSOP-10	Hyper Speed Control™ Architecture.
MIC2164-3	3V to 28V	Adj. to 0.8V	External FETs, 25A	95%	1.4mA	0.8mA	1MHz	MSOP-10	Hyper Speed Control™ Architecture.
MIC2165	4.5V to 28V	Adj. to 0.8V	External FETs, 25A	95%	450µA	5µA	600kHz	EPAD-MSOP-10	HyperLight Load™ Efficiency.
MIC2166	4.5V to 28V	Adj. to 0.8V	External FETs, 25A	95%	950µA	5µA	600kHz	EPAD-MSOP-10	Hyper Speed Control™ Architecture.
MIC2174	3V to 40V	Adj. to 0.8V	External FETs, 25A	95%	1.4mA	0.8mA	300kHz	MSOP-10	Hyper Speed Control™ Architecture.

Switch-Mode Voltage Regulator Selection Guide

Synchronous Buck Controllers (External Switches) (Continued)

Device	V _{IN}	V _{OUT}	I _{SW} ⁽¹⁾ (Avg)(Max)	Efficiency (Typ)	I _Q (Typ)	Shutdown I _Q (Typ)	Frequency	Package	Comments
MIC2174C	3V to 40V	Adj. to 0.8V	External FETs, 25A	95%	1.4mA	0.8mA	300kHz	MSOP-10	V _{OUT} Down to 0.8V w/±3% Accuracy.
MIC2176 New!	4.5V to 75V	Adj. to 0.8V	External FETs, 15A	95%	1.4mA	0.7mA	300kHz	MSOP-10	V _{OUT} Down to 0.8V w/±1% Accuracy.
MIC2130	8V to 40V	Adj. to 0.7V	External FETs, 15A		4mA	0.18mA	150/400kHz	MLF [®] -16 (4 x 4mm), EPAD-TSSOP-16	
MIC2131	8V to 40V	Adj. to 0.7V	External FETs, 15A		4mA	0.18mA	150/400kHz	MLF [®] -16 (4 x 4mm), EPAD-TSSOP-16	Low EMI Frequency Dithering.
MIC2150	4V to 14.5V	Adj. to 0.7V	External FETs, 20A	93%	4.2mA	50µA	500kHz	MLF [®] -24 (4 x 4mm)	Dual Sync Controller with Outputs Switching 180° Out-of-Phase.
MIC2151	4V to 14.5V	Adj. to 0.7V	External FETs, 20A	93%	4.2mA	50µA	300kHz	MLF [®] -24 (4 x 4mm)	Dual Sync Controller with Outputs Switching 180° Out-of-Phase.
MIC2155	4.5V to 14.5V	Adj. to 0.7V	External FETs, 25A per Phase	95%	6mA	210µA	500kHz	MLF [®] -32 (5 x 5mm)	Sync Controller with Outputs Switching 180° Out-of-Phase.
MIC2156	4.5V to 14.5V	Adj. to 0.7V	External FETs, 25A per Phase	95%	6mA	210µA	300kHz	MLF [®] -32 (5 x 5mm)	Sync Controller with Outputs Switching 180° Out-of-Phase.
MIC2168	3V to 14.5V	Adj. to 0.8V	External N-FETs, 10A	95%	1mA	50µA	1MHz	MSOP-10	Small and Fast.
MIC2168A	3V to 14.5V	Adj. to 0.8V	External N-FETs, 10A	95%	1mA	50µA	1MHz	MSOP-10	Small and Fast, Enable Function.
MIC2169	3V to 14.5V	Adj. to 0.8V	External N-FETs, 15A	95%	1mA	50µA	500kHz	MSOP-10	See MIC2169B for new desings.
MIC2169A	3V to 14.5V	Adj. to 0.8V	External N-FETs, 15A		1.3mA	None	500kHz	MSOP-10	See MIC2169B for new desings.
MIC2169B	3V to 14.5V	Adj. to 0.8V	External N-FETs, 30A		1.5mA	None	500kHz	MSOP-10, EPAD-MSOP-10	Output Pre-bias Protection; Small and Super Efficient. Recommended for new desings.
MIC2159	3V to 14.5V	Adj. to 0.8V	External N-FETs, 20A		1.5mA	None	400kHz	EPAD-MSOP-10	Higher Current, Enable Function.
MIC2182	4.5V to 32V	3.3V, 5V, Adj.	External N-FETs, 2.5A to 20A	90%+	600µA	2µA	300kHz	SOIC-16, SSOP-16	
MIC2183	2.9V to 14V	Adj. to 1.25V	External N- and P-FET, 1A to 10A	95%+	600µA	0.5µA	400/200kHz	SOIC-16, QSOP-16	100% Max. Duty Cycle.
MIC2193	2.9V to 14V	Adj.	External N- and P-FET, 1A to 10A	93%+	1mA	-	400kHz	SOIC-8	100% Max. Duty Cycle.
MIC2198	4.5V to 32V	Adj. To 0.8V	External N-FETs, 1A to 20A	95%+	3.5mA	0.1µA	500kHz	MLF [®] -12 (4 x 4mm)	
MIC2199	4.5V to 32V	Adj. To 0.8V	External N-FETs, 1A to 20A	95%+	1.6mA	0.1µA	300kHz	MLF [®] -12 (4 x 4mm)	

1. I_{SW} (Avg) refers to the average current flowing through the switch.

Boost Regulators (Internal Switches)

Device	V _{IN}	V _{OUT}	I _{sw} (Typ)	Frequency	Package	Comments
MIC2141	2.5V to 14V	Adj. to 22V	0.1A	330kHz	SOT-23-5	Dynamically Adjustable V _{OUT} for LCD Bias.
MIC2142	2.2V to 16V	Adj. to 22V	0.1A	330kHz	SOT-23-5	
MIC2145	2.4V to 16V	Adj. to 16V	1A	450kHz	MSOP-8, MLF [®] -10 (3 x 3mm)	
MIC2171	3V to 40V	Adj. to 60V	4A	100kHz	TO-220-5, TO-263-5	High-Current, High-Voltage.
MIC2172	3V to 40V	Adj. to 60V	2.5A	100kHz	SOIC-8, DIP-8	Sync Pin., High-Current, High-Voltage.
MIC2288	2.5V to 10V	Adj. to 34V	1.2A	1.2MHz	TSOT-23-5, MLF [®] -8 (2 x 2mm)	OLED Driver, High Accuracy, OVP.
MIC2289	2.5V to 10V	Adj. to 34V	0.75A	1.2MHz	TSOT-23-6, MLF [®] -8 (2 x 2mm)	Internal Schottky White LED Driver, OVP. ±5% Feedback Voltage.
MIC2289C	2.5V to 10V	Adj. to 34V	0.75A	1.2MHz	TSOT-23-6	Internal Schottky White LED Driver, OVP. ±5% Feedback Voltage.
MIC2570	1.3V to 15V	2.85V, 3.3V, 5V, Adj. to 33V	1.1A	20kHz	SOIC-8	Low Input Voltage.
MIC2571	0.9V to 15V	2.85V, 3.3V, 5V, Adj. to 33V	1.1A	20kHz	MSOP-8	Low Input Voltage.
MIC2250	2.5V to 5.5V	Adj. to 32V	2.0A	Up to 2.5MHz	MLF [®] -8 (2 x 2mm)	High Light Load Efficiency Boost Regulator with low EMI.
MIC2253	2.5V to 10V	Adj. to 30V	3.5A	1MHz	MLF [®] -12 (3 x 3mm)	OVP, OTP, Enable and Softstart
MIC2290	2.5V to 10V	Adj. to 34V	0.75A	1.2MHz	MLF [®] -8 (2 x 2mm)	Internal Schottky, OVP.
MIC2295	2.5V to 10V	Adj. to 34V	1.2A	1.2MHz	TSOT-23-5, MLF [®] -8 (2 x 2mm)	High-Current, High-Efficiency, OVP.
MIC2296	2.5V to 10V	Adj. to 34V	1.7A	0.6MHz	TSOT-23-5, MLF [®] -8 (2 x 2mm)	High-Current, High-Efficiency, OVP.
MIC2297	2.5V to 10V	Adj. to 40V	1.2A	0.6MHz	MLF [®] -10 (2.5 x 2.5mm)	High Voltage White LED Driver, OVP.
MIC2298	2.5V to 10V	Adj. to 30V	4.75A	1.0MHz	MLF [®] -12 (3 x 3mm)	High Power Photo Flash LED Driver with Torch Mode, OVP.
MIC2299	2.5V to 10V	Adj. to 30V	4.75A	2.0MHz	MLF [®] -12 (3 x 3mm)	High Power Photo Flash LED Driver with Torch Mode, OVP.
MIC2601/2	4.5V to 20V	Adj. to 40V	1.2A	1.2/2MHz	MLF [®] -8 (2 x 2mm)	Enable Pin/SS/Low Shutdown Current.

Switch-Mode Voltage Regulator Selection Guide

Boost Regulators (Internal Switches) (Continued)

Device	V _{IN}	V _{OUT}	I _{sw} (Typ)	Frequency	Package	Comments
MIC2605/6	4.5V to 20V	Adj. to 40V	0.5A	1.2/2MHz	MLF [®] -8 (2x2mm)	Enable Pin/SS/Low Shutdown Current. Integrated Schottky Diode.
MIC2619	2.8V to 6.5V	Adj. to 35V	350mA	1.2MHz	TSOT-23-6	Programmable OVP, Enable Pin/SS/Low Shutdown Current.
MIC3172	3V to 40V	Adj. to 34V	2.25A	100kHz	SOIC-8, PDIP-8	Enable Pin.

Boost Controllers (External Switches)

Device	V _{IN}	V _{OUT}	Output Current	Efficiency (Typ)	I _q (Typ)	Shutdown I _q (Typ)	Frequency	Package	Comments
MIC2186	2.9V to 14V	Adj.	External N-FET, 1A to 10A	90%	600μA	0.5μA	100/200/400kHz	SOIC-16, QSOP-16	
MIC2196	2.9V to 14V	Adj.	External N-FET, 1A to 10A	90%	1mA	0.5μA	400kHz	SOIC-8	Boost, SEPIC, Cuk Configurations.

Synchronous Boost Controllers (External Switches)

MIC2185	2.9V to 14V	Adj.	External N-FET/P-FET, 1A to 10A	95%	600μA	0.5μA	400kHz	SOIC-16, QSOP-16	High Efficiency.
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Flyback/Forward Converter/Push-Pull Controllers for Isolated Applications (External Switches)

Device	V _{IN}	Gate Drive	V _{START}	V _{STOP}	Start-Up Current (Max)	Duty Cycle (Max)	Topology	Frequency	Package	Comments
MIC9130	9V to 180V	1A	9V	–	–	50%	Forward/Flyback	Adj. to 1.5MHz	SOIC-16, QSOP-16	Fast. Built-in 180V Start-up Circuitry.
MIC9131	9V to 180V	1A	9V	–	–	75%	Forward/Flyback	Adj. to 1MHz	SOIC-16, QSOP-16	Fast. Built-in 180V Start-up Circuitry.
MIC3808	8.3V to 15V	0.5A	12.5V	8.3V	130μA	50%	Push-Pull	Adj. to 1MHz	SOIC-8, MSOP-8	High-Output Current.
MIC3809	4.1V to 15V	0.5A	4.3V	4.1V	130μA	50%	Push-Pull	Adj. to 1MHz	SOIC-8, MSOP-8	High-Output Current.
MIC3838	8.3V to 15V	0.5A	12.5V	8.3V	130μA	50%	Push-Pull	Adj. to 1MHz	MSOP-10	Can Implement Volt-Second Clamp.
MIC3839	4.1V to 15V	0.5A	4.3V	4.1V	130μA	50%	Push-Pull	Adj. to 1MHz	MSOP-10	Can Implement Volt-Second Clamp.
MIC38C42	15.5V to 20V	0.5A	14.5V	9.0V	200μA	96%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, MSOP-8 SOIC-8, -14	
MIC38C43	9V to 20V	0.5A	8.4V	7.6V	200μA	96%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, MSOP-8 SOIC-8, -14	
MIC38C44	15.5V to 20V	0.5A	14.5V	9.0V	200μA	50%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, MSOP-8 SOIC-8, -14	
MIC38C45	9V to 20V	0.5A	8.4V	7.6V	200μA	50%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, MSOP-8 SOIC-8, -14	
MIC38HC42	15.5V to 20V	1A	14.5V	9.0V	200μA	96%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, SOIC-8, -14	
MIC38HC43	9V to 20V	1A	8.4V	7.6V	200μA	96%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, SOIC-8, -14	
MIC38HC44	15.5V to 20V	1A	14.5V	9.0V	200μA	50%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, SOIC-8, -14	
MIC38HC45	9V to 20V	1A	8.4V	7.6V	200μA	50%	Forward/Flyback	Adj. to 500kHz	PDIP-8, -14, SOIC-8, -14	
MIC38C42A ⁽¹⁾	15.5V to 20V	0.5A	14.5V	9.0V	200μA	96%	Forward/Flyback	Adj. to 500kHz	SOIC-8, MSOP-8	
MIC38C43A ⁽¹⁾	9V to 20V	0.5A	14.5V	9.0V	200μA	96%	Forward/Flyback	Adj. to 500kHz	SOIC-8, MSOP-8	
MIC38C44A ⁽¹⁾	15.5V to 20V	0.5A	14.5V	9.0V	200μA	50%	Forward/Flyback	Adj. to 500kHz	SOIC-8, MSOP-8	
MIC38C45A ⁽¹⁾	9V to 20V	0.5A	14.5V	9.0V	200μA	50%	Forward/Flyback	Adj. to 500kHz	SOIC-8, MSOP-8	

1. Recommended for new designs.