

# Switching Regulator Selection Guide

		OPTIMIZED FOR STEP-UP OR FLYBACK CONFIGURATIONS						OPTIMIZED FOR STEP-DOWN OR INVERTING APPLICATIONS		OFF-LINE AND/OR PWM CONTROLLERS			
		OSCILLATOR FREQUENCY											
		40kHz	60kHz	100kHz	150kHz	250kHz	500kHz	1MHz	100kHz	500kHz	200kHz	500kHz	1MHz
SWITCH CURRENT	10A		LT1270A										
	8A		LT1270										
	7.5A				LT1268								
	5A	LT1070		LT1170				LT1074					
	4A		LT1271	LT1269									
	3A						LT1371						
	2.5A	LT1071		LT1171									
	2A								LT1076*		LT1103		
	1.5A					LT1373	LT1372	LT1377					
	1.25A	LT1072		LT1172*					LT1176*	LT1375/6			
	1A		LT1082										
	External										LT1105	LT124x	LT1246/47

\*LT1572 has built-in Schottky diode.

	INPUT VOLTAGE (V)		MAXIMUM SWITCH VOLTAGE (V)	MAX RATED SWITCH CURRENT (A)	PACKAGES AVAILABLE
	MIN	MAX			
LT1070	3	40	65	5	K, T
LT1070HV	3	60	75	5	K, T
LT1071	3	40	65	2.5	K, T
LT1071HV	3	60	75	2.5	K, T
LT1072	3	40	65	1.25	K, T, N8, S8, SW16
LT1072HV	3	60	75	1.25	K, T
LT1074	8	40	65	5	K, Q, T
LT1074HV	8	60	75	5	K, T
LT1076*	8	40	65	2	K, R, T, Y
LT1076HV	8	60	75	2	K, R, T, Y
LT1082	3	75	100	1	J8, N8, Q, T
LT1170	3	40	65	5	K, T
LT1170HV	3	60	75	5	K, T
LT1171	3	40	65	2.5	K, Q, T
LT1171HV	3	60	75	2.5	K, T
LT1172	3	40	65	1.25	K, T, N8, S8, SW16, Q
LT1172HV	3	60	75	1.25	K, T
LT1176*	8	38	38	1.25	N, SW
LT1268	3	30	60	7.5	T, Q
LT1269	3	30	60	4	SW, T
LT1270A	3	30	60	10	T
LT1270	3	30	60	8	T
LT1271	3	30	60	4	T, Q
LT1371	2.7	30	35	3	R, SW
LT1372	2.7	30	35	1.5	N8, S8
LT1373	2.7	30	35	1.5	N8, S8
LT1375	4.7	25	25	2	N8, S8
LT1376	4.7	25	25	2	N8, S8
LT1377	2.7	30	35	1.5	S8

\*Fixed 5V output version available