

LED Driver for General Lighting

Overview



ROHM Semiconductor’s lineup of LED drivers for General Lighting includes small Buck controllers for low cost solutions as well as high integrated products which support various dimming options to ensure compatibility to many lighting applications.

Lineup

	Feature	Topology	Vin (Min.) [V]	Vin (Max.) [V]	Dimming	Output Current (Max.) [mA]	Frequency (Max.) [MHz]	Operating Temperature (Min.) [°C]	Operating Temperature (Max.) [°C]	Package
BD550FHG	Low BOM solution	Buck / Fly-back	8.5	26	-	-	0.065	-40	110	SSOP6
BM2Pxxx	Internal HV start-up & MOSFET	Buck / Fly-back	8.9	26	-	-	0.065	-40	105	SOP8
BM520Q15F	Internal MOSFET Quasi-resonant Current dimming	Buck / Fly-back	52	26	-	-	0.2	-40	105	SOP8
BM520Q25F	Internal MOSFET Quasi- resonant Current dimming with PFC	Buck / Fly-back	8.9	26	-	-	0.2	-40	105	SOP8
BD552JLF	AC/DC Buck Converter & quasi resonant current control	Buck / Fly-back	8.5	25.5	PWM / Analog	-	0.23	-40	105	SOP14
BD552JLFV	AC/DC Buck Converter & quasi resonant current control	Buck / Fly-back	8.5	25.5	PWM / Analog	-	0.23	-40	105	SSOP-B14
BD554FL	Low ripple current & quasi resonant current control	Fly-back	16	39	PWM	-	0.4	-40	100	SSOP-B14
BD555A1AFV	AC/DC Buck Converter	Buck / Fly-back	10	38	-	800	0.3	-40	100	SSOP-B14
BD555BKFV	High Efficiency AC/DC Buck Converter Fixed frequency	Buck / Fly-back	16	39	PWM	-	0.4	-40	110	SSOP-B14
BD9207FPS	DC/DC Buck Converter	Buck	8	35	-	1500	0.9	-20	85	TO252S-5
BM1050F	High Power PFC Controller	Fly-back	8.5	24	-	-	0.12	-40	85	SOP-24

Applications

