

POWER MANAGEMENT DEVICES

NEC ELECTRONICS AMERICA

Power MOSFETs for LED Applications

NEC Electronics America offers a selection of low-voltage MOSFETs that is ideal for LED lighting applications. These MOSFETs offer low on-resistance and meet the current drain requirements of LED designs.

DEVICE	CONFIGURATION	V _{DSS}	I _D	R _{DS(on)}	PACKAGE	LED APPLICATION
μPA2756GR	Dual N-FET	60V	4A	0.15Ω	SOP-8	350 / 700 mA; Vin ≤ 38V
μPA1857GR	Dual N-FET	60V	3.8A	0.086Ω	TSSOP-8	350 / 700 mA; Vin ≤ 38V
μPA1764G	Dual N-FET	60V	7A	0.042Ω	SOP-8	1 / 1.5A; Vin ≤ 38V
μPA2757GR	Dual N-FET	30V	5A	0.05Ω	SOP-8	350 / 700 mA; Vin ≤ 20V
μPA2755GR	Dual N-FET	30 V	8A	0.029Ω	SOP-8	1 / 1.5A; Vin ≤ 20V
μPA508TE	N-FET + Schottky	20V	2A	0.051Ω	SC-95	350 mA; Vin ≤ 12V
2SK2414	Single N-FET	60V	10A	0.095Ω	TO-252	2A; Vin ≤ 12V
2SK2415	Single N-FET	60V	8A	0.10Ω	TO-252	1.5A; Vin ≤ 40V

Key Benefits

- › Extremely high reliability
- › Variety of packages
- › Low cost
- › Low gate voltage

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