



Constant Current LED Driver

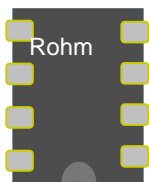
BD18377EFV-M, BD18378EFV-M



Lineup

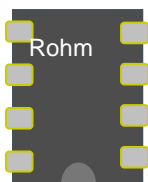
BD8377FV-M

- 12ch Open Drain
- Output voltage 35Vmax
- Low EMC Noise
- SSOPB20
- AECQ100



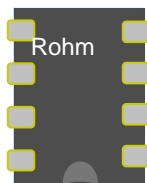
BD18377EFV-M

- 12ch Constant current
- 50mA/ch
- Diagnostic function
- Global PWM dimming
- Individual current setting
- AECQ100



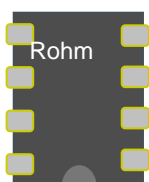
BD18378EFV-M

- 12ch Constant current
- 50mA/ch
- Diagnostic function
- 6 x PWM dimming
- Individual current setting
- AECQ100



BD8376FV-M

- 8ch Open Drain
- Output voltage 35Vmax
- SSOPB16
- AECQ100



Part Number	Channel Number	Maximum Input Voltage	Maximum Output Voltage	ON Resistor	Serial Clock Frequency	Drive Current	Package	Features	Status
BD8376FV	8ch	7V	35V	6Ω	1.25MHz	50mA	SSOP-B16	Open drain	MP
BD8377FV	12ch	7V	35V	6Ω	1.25MHz	50mA	SSOPB20	Open drain	MP
BD18377EFV	12ch	7V	20V	6Ω	1.25MHz	50mA	HTSSOP-B20	6bit current adjustment Global PWM dimming Diagnostic function	MP
BD18378EFV	12ch	7V	20V	6Ω	1.25MHz	50mA	HTSSOP-B28	6bit current adjustment 6 x PWM dimming Improved Diagnostic function	Dev.

BD18378EFV-M

Next Generation Multi-channel, Constant Current Driver for Automotive Cluster

BD18378EFV-M has significant number of additional features as compared to BD18377EFV-M.

Features

- Package: HTSSOP-B28
- Diagnostics on Iref
- Limp home feature
- Passive open/short detect with own error flag
- Real short detect
- 6 PWMs with separate inputs
- PWM diagnostics
- Advanced short detect
- Open drain fault indicator.

