

Featured Products

Contributes to higher reliability and energy savings in industrial equipment

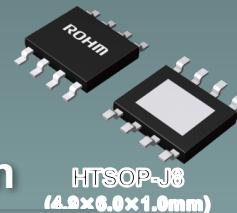


1ch Buck Switching Regulator with Integrated 80V Power MOSFET

BD9G341AEFJ

80V power MOSFET built in

Provides sufficient voltage margin in 48V bus lines



Industry's highest* power conversion efficiency

Contributes to greater energy efficiency in industrial equipment

Simple, compact 8-pin package

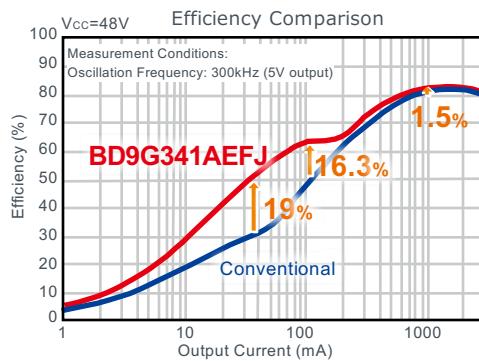
Smaller mounting area with fewer external parts

Original protection circuit provides greater reliability

Improves application reliability

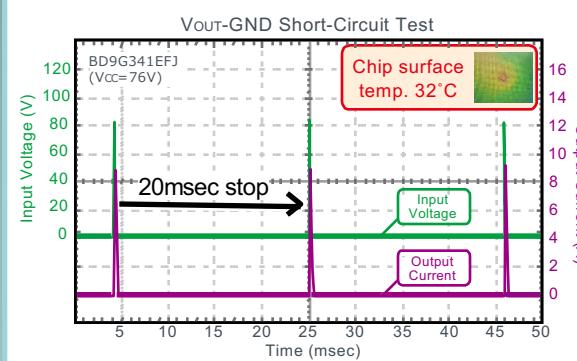
Energy-saving high efficiency design

Improves efficiency in the 80V DC/DC converter class by up to 19% (1.5% during heavy loads)



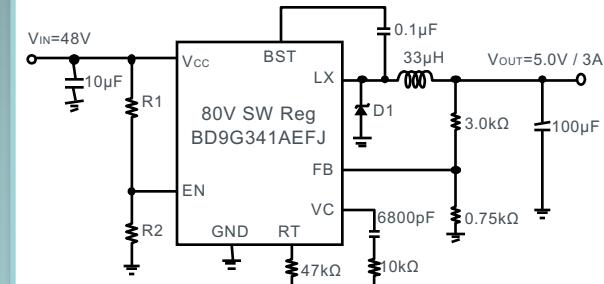
Original protection circuits improve reliability

Hiccup mode prevents excessive heat generation during short-circuits



Fewer external parts

Minimizes mounting area and design load



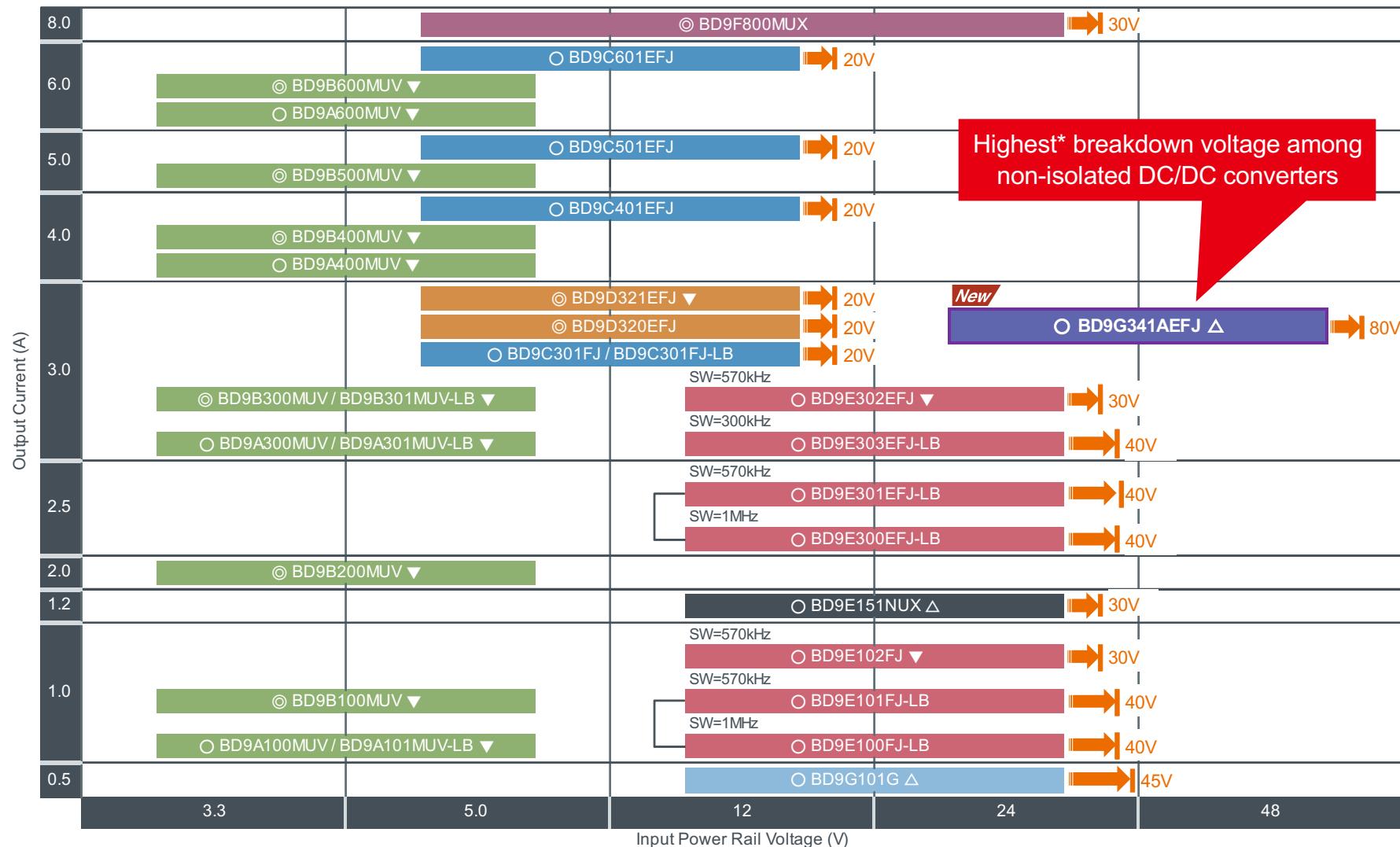
No. of external parts: 12

Part No.	Rated Input (V)	Output Current (A)	Input Voltage Range (V)	Output Voltage (V)	Switching Frequency (MHz)	Control Method	Protection Functions			Package
							OCP	TSD	OVP	
BD9G341AEFJ	80	3	12 to 76	1.0 to (V _{IN} ×0.7) ^{*1}	0.05 to 0.75	Current	Return	Return	✓	HTSOP-J8

^{*1} Limit exists based on conditions

*ROHM June 2016 survey

Buck DC/DC Converter Lineup



○ - Current Mode Control

◎ - On-time Control

▼ - Light Load Mode

△ - Nonsynchronous

→ Maximum Rating

*ROHM June 2016 survey