Key Product Characteristics

Part Number *1	Input Voltage [V]	Output Voltage [V]	Output Voltage Accuracy [%]	Output Current (Max.) [mA]	Output Capacitance (Min.) *2 [nF]	Quiescent Current (Typ.) [µA]	Shutdown Switch	Oprating Temperature Range Tj [°C]	Package [mm]	AEC-Q100 qualified
New BD9xxN5EFJ-C	3 to 42	3.3/ 5.0/ Adjastable (1 to 18)	±2	500	230	25	No	-40 to +150	HTSOP-J8 (4.9×6.0×1.0)	YES
New BD9xxN5WEFJ-C							YES			
New BD9xxN5FP-C							No		TO252-3/ TO252-5 (6.5×9.5×2.5)	
New BD9xxN5WFP-C							YES			
New BD9xxN5FP2-C							No		TO263-3/ TO263-5 (10.16×15.10×4.70)	
New BD9xxN5WFP2-C							YES			

*1: 'xx' in the part number determined by the output voltage (e.g. 3.3V=BD933N5-, 5.0V=BD950N5-, Adjustable=BD900N5-)
*2: Set capacitor value which do not fall below the minimum value. This value needs to consider the temperature characteristics and DC devicecharacteristics.

Main Online Distributors

Online Distributors

DigiKey MOUSER ELECTRONICS. Farnell AN AVNET COMPANY

Application Examples

Automotive Equipment

- Powertrain system power supplies for fuel injection systems (FI) and tire pressure monitoring systems (TPMS)
- Body system power supplies for body control modules (BCM)
- Infotainment system power supplies for clusters ad head-up displays (HUD), etc.

Industrial Equipment

- Power supplies for controllers like Programmable Logic Controllers (PLC), Remote Terminal Units (RTU), and industrial gateways
- High-precision LDOs for analog loads and sensors measuring temperature, pressure, flow rate, etc.
- Power supplies for monitoring and control panels in disaster prevention systems, access control systems and building automation.
- Standby power supplies for Human-Machine Interfaces (HMI) and panel equipment, etc.

Consumer Electronics

- Power supplies for control boards in refrigerators, dishwashers, air conditioners, etc.
- Power supplies for home appliances like thermostats and doorbells
- Power supplies for constant power applications in home security and network equipment, etc.