



BD9C301FJ

4.5V to 18V Input, 3.0A Integrated MOSFET 1ch Synchronous Buck DC/DC Converter - BD9C301FJ (New *)



Technical Data

BD9C301FJ is a synchronous buck switching regulator with built-in low on-resistance power MOSFETs. With wide input voltage range, It is capable of providing current of up to 3 A. It is a current mode control DC/DC converter and features high-speed transient response. Phase compensation can also be set easily.

Part Number	Status	Datasheet	Package	Unit Quantity	Minimum Package Quantity	Packing Type	Constitution Materials List	RoHS	Distribution Inventory
BD9C301FJ-E2	Active		SOP-J8	2500	2500	Taping	-	Yes	

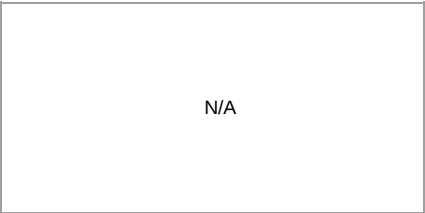
Specifications:

Grade	Standard
ch	1
Integrated FET / Controller	Integrated FET
Buck / Boost / Buck-Boost / Inverting	Buck
Synchronous / Nonsynchronous	Synchronous
Vin1(Min.)[V]	4.5
Vin1(Max.)[V]	18.0
Vout1(Min.)[V]	0.8
Vout1(Max.)[V]	0.8
Iout1(Max.)[A]	3.0
SW frequency(Max.)[MHz]	0.55
Light Load mode	No
EN	Yes
PGOOD	No
Operating Temperature (Min.)[°C]	-40
Operating Temperature (Max.)[°C]	85
less	

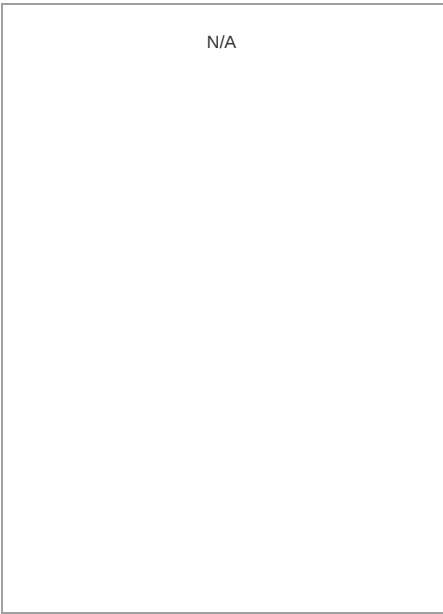
Features:

- Synchronous 1 ch DC/DC converter
- Over Current protection
- Thermal Shutdown protection
- Under Voltage lockout protection
- Short Circuit Protection
- Fixed soft start function 1msec

Pin Configuration:



Applications:



Supporting Links:

