



BD9C601EFJ

4.5V to 18V Input, 6.0A Integrated MOSFET 1ch Synchronous Buck DC/DC Converter - BD9C601EFJ (New *)



BD9C601EFJ 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 6 A. It is a current mode control DC/DC converter and features high-speed transient response. Phase compensation can also be set easily.

Technical Data

Part Number	Status	Datasheet	Package	Unit Quantity	Minimum Package Quantity	Packing Type	Constitution Materials List	RoHS	Distribution Inventory
BD9C601EFJ-E2	Active		HTSOP-J8	2500	2500	Taping	-	Yes	

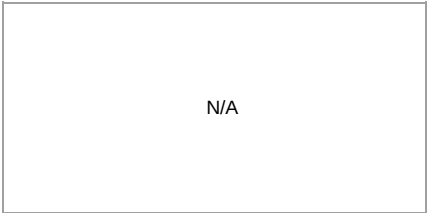
Specifications:

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]	6.0
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	

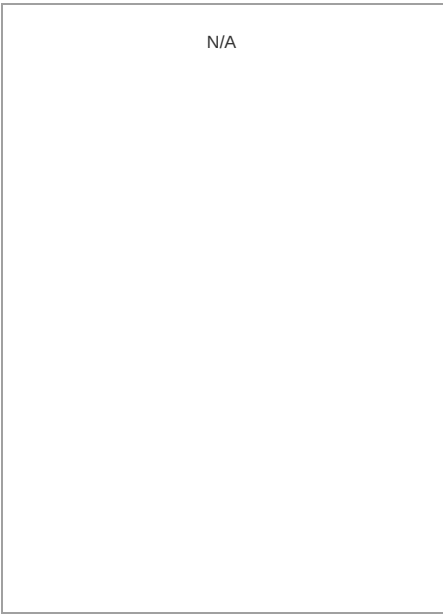
Features:

- 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:

