HGB057N15S , HGK057N15S HGP057N15S

150V N-Ch Power MOSFET

Feature

- High Speed Power Smooth Switching
- Enhanced Body diode dv/dt capability
- Enhanced Avalanche Ruggedness
- 100% UIS Tested, 100% Rg Tested
- Lead Free

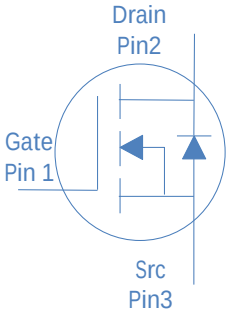
V_{DS}		150	V
$R_{DS(on),TYP}$	TO-263	5.3	
$R_{DS(on),TYP}$	TO-247		
$R_{DS(on),TYP}$	TO-220	5.5	mΩ
$I_{D\ (Sillicon\ Limited)}$		161	A

Application

- Synchronous Rectification in SMPS
- Hard Switching and High Speed Circuit
- Power Tools
- UPS
- Motor Control

TO-263

TO-220



TO-247

Part Number		
HGB057N15S		GB057N15S
HGK057N15S	TO-247	GK057N15S
		GP057N15S

Absolute Maximum Ratings at T_j=25 (unless otherwise specified)

		Conditions	Value	Unit
Continuous Drain Current (Silicon Limited)	I_D	T_C=25	161	A
		T_C=100	114	
Drain to Source Voltage	V_{DS}	-	150	V
		-	±20	V
Pulsed Drain Current	I_{DM}	-	550	A
			720	mJ
				W
Operating and Storage Temperature	T_J, T_{stg}	-		

			/W

TO-220, 3 leads

TO-263, 3 leads

TO-263, 2 leads

TO-247, 3 leads