

Nomenclature



IGBT and MOSFET Discrete

IXGK 60N60B2D1	(Example)
IX	IXYS
	Die technology
B	High voltage BIMOSFET
D	NPT-IGBT with SCSOA capability
E	NPT ³ IGBT
F	HiPerFET™ Power MOSFET
G	Fast IGBT
K	CoolMOS
L	IGBT with SCSOA capability
S	IGBT with SCSOA capability
T	Standard Power MOSFET
U	Trench MOSFET
	Housing type
A	TO-263 (D ² PAK)
B	PLUS 264 (TO-264 without mounting hole)
C	ISOPLUS220 (TO-220 DCB isolated)
E	ISOPLUS227 (DCB isolated miniBLOC)
F	ISOPLUS-i4 (DCB isolated)
H	TO-247
J	TO-268 (I3 PAK)
K	TO-264
L	ISOPLUS 264 (TO-264 DCB isolated)
M	TO-204 (TO-3)
N	SOT-227 B (miniBLOC)
P	TO-220
Q	TO-3P
R	ISOPLUS 247 (TO-247 DCB isolated)
T	TO-268 (D ³ PAK)
U	TO-251 (D PAK)
V	PLUS 220 (TO-220 footprint without mounting hole)
X	PLUS 247 (TO-247 without mounting hole)
50	Current rating, 50 = 50 A MOSFET = value at T _C = 25°C IGBT = value at T _C = 90°C
N	N-channel type
P	P-channel type
60	Voltage class, 60 = 600 V
xx	MOSFET
A	Prime R _{DS(on)} for standard MOSFET
Q	Low gate charge die
Q2	Low gate charge die, 2nd generation
P	PolarHT™ Power MOSFET
L	Linear Mode MOSFET
	IGBT
--	No letter, low V _{CE(sat)}
A	Or A2, std speed type
B	Or B2, high speed type
C	Or C2, very high speed type
xx	
D	Integrated HiPerFRED™ diode
H	Integrated SONIC-FRD™ diode
U	Integrated FRED diode
1	Antiparallel diode (free wheeling diode)
2	Diode in boost configuration
3	Diode in buck configuration

IGBT and MOSFET Modules

MII 200-12A4	(Example)
F	ISOPLUS-I4
M	Module
V	Module
C	Thyristor
D	Diode
I	IGBT with SCSOA capability
M	MOSFET
W	Three phase bridge
U	Uncontrolled 3 phase input rectifier
C	Thyristor
D	Diode
I	IGBT with SCSOA capability
K	Common cathode
M	MOSFET
O	No meaning. Reserved for future function
BW	Brake chopper and IGBT sixpack
200	Current rating 200 = 200 A
-12	Voltage class, 12 = 1200 V
A	Version A
E	NPT ³ IGBT
F	HiPerFET, MOSFET, n-channel
G	Low V _{CE(sat)} type, IGBT
K	CoolMOS
S	High speed type, IGBT
T	Standard MOSFET, n-channel or Trench IGBT
4	Version 4
6	Version CBI 1
7	Version CBI 2
8	Version CBI 3
9	E+ Package
10	High Power Module
11	High Power Module with enlarged clearance and creepage distance
T	NTC temperature sensor