

Discrete IGBT Selection Guide

As of June 06, 2006

Part Number	Package	Application	BV _{CES} [V]	I _c @100oC [A]
FGA15N120AND	TO-3P	Induction Heating	1200	15
FGA15N120ANTD	TO-3P		1200	
FGA25N120ANTD	TO-3P	Induction Heating	1200	25
FGA40N60UFD	TO-3P	Power Conversion	600	20
FGA50N100BNTD	TO-3P	Micro- Wave Oven I-H Cooker I-H	1000	50
FGA50N60LS	TO-3P	Switched Reluctance Motor	600	50
FGAF40N60UF	TO-3PF	Induction Heating	600	20
FGAF40N60UFD	TO-3PF	Induction Heating	600	20
FGB40N6S2	TO-263(D2PAK)	Power Conversion	600	35
FGD3N60LSD	TO-252(DPAK)	HID Lamp Piezo Fuel Injection	600	6
FGH50N3	TO-247	Power Conversion	300	75
FGL40N120AND	TO-264	Induction Heating Motor Power Conv	1200	40
FGL60N100BNTD	TO-264	Induction Heating	1000	42
FGP7N60RUFD	TO-220		600	7
FGP90N30	TO-220	PDP System	300	90
FGPF120N30	TO-220F	PDP System	300	120
FGPF7N60LSD	TO-220F		600	7
FGPF7N60RUFD	TO-220F		600	
FGR15N40A	SSOT-8		400	
FGS15N40L	SOIC	Camera Strobe	400	130
FGW15N40A	TSSOP-8		400	
HGT1N30N60A4D	SOT-227B(ISOTOP)	Power Conversion	600	60
HGT1N40N60A4D	SOT-227B(ISOTOP)	Power Conversion	600	63
HGT1S10N120BNS	TO-263(D2PAK)	Motor Power Conversion	1200	17
HGT1S12N60A4DS	TO-263(D2PAK)	Power Conversion	600	23
HGT1S12N60A4S9A	TO-263(D2PAK)	Power Conversion	600	23
HGT1S14N36G3VLS	TO-263(D2PAK)	Ignition Coil Driver	330	14
HGT1S20N35G3VLS	TO-263(D2PAK)	Ignition Coil Driver	320	20
HGT1S20N60A4S9A	TO-263(D2PAK)		600	
HGT1S20N60C3S	TO-263(D2PAK)	Motor	600	20
HGT1S2N120CN	TO-262(I2PAK)	Motor	1200	7
HGT1S3N60A4DS9A	TO-263(D2PAK)		600	
HGT1S7N60A4DS	TO-263(D2PAK)	Power Conversion	600	14
HGT1S7N60A4S	TO-263(D2PAK)	Power Conversion	600	14
HGT1S7N60C3D	TO-262(I2PAK)	Motor	600	7
HGT1S7N60C3DS	TO-263(D2PAK)	Motor	600	7
HGTD1N120BNS	TO-252(DPAK)	Motor Power Conversion	1200	2.7
HGTD3N60A4S	TO-252(DPAK)	Power Conversion	600	8
HGTD3N60C3S9A	TO-252(DPAK)	Motor	600	3
HGTD7N60C3S	TO-252(DPAK)	Motor	600	7
HGTG10N120BND	TO-247	Motor Power Conversion	1200	17
HGTG11N120CN	TO-247	Motor	1200	22
HGTG11N120CND	TO-247	Motor	1200	22

HGTG12N60A4	TO-247	Power Conversion	600	23
HGTG12N60A4D	TO-247	Power Conversion	600	23
HGTG12N60B3	TO-247	Motor Power Conversion	600	12
HGTG12N60C3D	TO-247	Motor	600	12
HGTG18N120BN	TO-247	Motor Power Conversion	1200	26
HGTG18N120BND	TO-247	Motor Power Conversion	1200	26
HGTG20N60A4	TO-247	Power Conversion	600	40
HGTG20N60A4D	TO-247	Power Conversion	600	40
HGTG20N60B3	TO-247	Motor Power Conversion	600	20
HGTG20N60B3D	TO-247	Motor Power Conversion	600	20
HGTG20N60C3D	TO-247	Motor	600	20
HGTG27N120BN	TO-247	Motor Power Conversion	1200	34
HGTG30N60A4	TO-247	Power Conversion	600	60
HGTG30N60A4D	TO-247	Power Conversion	600	60
HGTG30N60B3	TO-247	Motor Power Conversion	600	30
HGTG30N60B3D	TO-247	Motor Power Conversion	600	30
HGTG30N60C3D	TO-247	Motor	600	30
HGTG40N60A4	TO-247	Power Conversion	600	63
HGTG40N60B3	TO-247	Motor Power Conversion	600	40
HGTG5N120BND	TO-247	Motor Power Conversion	1200	10
HGTG7N60A4	TO-247	Power Conversion	600	14
HGTG7N60A4D	TO-247	Power Conversion	600	14
HGTP10N120BN	TO-220	Motor Power Conversion	1200	17
HGTP12N60A4	TO-220	Power Conversion	600	23
HGTP12N60A4D	TO-220	Power Conversion	600	23
HGTP12N60C3	TO-220	Motor	600	12
HGTP12N60C3D	TO-220	Motor	600	12
HGTP20N60A4	TO-220	Power Conversion	600	40
HGTP2N120CN	TO-220	Motor	1200	7
HGTP3N60A4	TO-220	Power Conversion	600	8
HGTP3N60A4D	TO-220	Power Conversion	600	8
HGTP5N120BND	TO-220	Motor Power Conversion	1200	10
HGTP7N60A4	TO-220	Power Conversion	600	14
HGTP7N60A4D	TO-220	Power Conversion	600	14
HGTP7N60B3D	TO-220	Motor Power Conversion	600	7
HGTP7N60C3D	TO-220	Motor	600	7
ISL9V2040D3S	TO-252(DPAK)	Ignition Coil Driver	390	10
ISL9V2040P3	TO-220	Ignition Coil Driver	390	10
ISL9V2040S3S	TO-263(D2PAK)	Ignition Coil Driver	390	10
ISL9V2540S3S	TO-263(D2PAK)		390	
ISL9V3036D3S	TO-252(DPAK)	Ignition Coil Driver	330	17
ISL9V3036P3	TO-220	Ignition Coil Driver	330	17
ISL9V3036S3S	TO-263(D2PAK)	Ignition Coil Driver	330	17
ISL9V3040D3S	TO-252(DPAK)	Ignition Coil Driver	390	17
ISL9V3040P3	TO-220	Ignition Coil Driver	390	17
ISL9V3040S3S	TO-263(D2PAK)	Ignition Coil Driver	390	17
ISL9V5036P3	TO-220	Ignition Coil Driver	360	31
ISL9V5036S3	TO-262(I2PAK)	Ignition Coil Driver	360	31
ISL9V5036S3S	TO-263(D2PAK)	Ignition Coil Driver	360	31
ISL9V5045S3	TO-262(I2PAK)	Ignition Coil Driver	445	43
ISL9V5045S3S	TO-263(D2PAK)	Ignition Coil Driver	445	43
SGF15N60RUFD	TO-3PF	Motor Power Conversion	600	15
SGF23N60UF	TO-3PF	Power Conversion	600	12

SGF23N60UFD	TO-3PF	Power Conversion	600	12
SGF40N60UF	TO-3PF	Induction Heating Power Conversion	600	20
SGF5N150UF	TO-3PF	Power Conversion	1500	5
SGF80N60UF	TO-3PF	Motor Power Conversion	600	40
SGH10N60RUFD	TO-3P	Motor Power Conversion	600	10
SGH15N60RUF	TO-3P	Motor Power Conversion	600	15
SGH15N60RUFD	TO-3P	Motor Power Conversion	600	15
SGH20N60RUFD	TO-3P	Motor Power Conversion	600	20
SGH23N60UFD	TO-3P	Power Conversion	600	12
SGH30N60RUF	TO-3P	Motor Power Conversion	600	30
SGH30N60RUFD	TO-3P	Motor Power Conversion	600	30
SGH40N60UF	TO-3P	Induction Heating Power Conversion	600	20
SGH40N60UFD	TO-3P	Induction Heating Power Conversion	600	20
SGH80N60UF	TO-3P	Induction Heating Power Conversion	600	40
SGH80N60UFD	TO-3P	Induction Heating Power Conversion	600	40
SGL160N60UF	TO-264	Power Conversion	600	80
SGL160N60UFD	TO-264	Power Conversion	600	80
SGL40N150	TO-264	Induction Heating	1500	20
SGL40N150D	TO-264	Induction Heating	1500	20
SGL50N60RUF	TO-264	Motor	600	50
SGL50N60RUFD	TO-264	Motor Power Conversion	600	50
SGM2N60UF	SOT-223	Power Conversion	600	2.4
SGP10N60RUFD	TO-220	Motor Power Conversion	600	10
SGP13N60UF	TO-220	Power Conversion	600	6.5
SGP13N60UFD	TO-220	Power Conversion	600	6.5
SGP15N60RUF	TO-220	Motor Power Conversion	600	15
SGP23N60UF	TO-220	Power Conversion	600	12
SGP23N60UFD	TO-220	Power Conversion	600	12
SGP40N60UF	TO-220	Induction Heating Power Conversion	600	20
SGP5N60RUFD	TO-220	Motor Power Conversion	600	5
SGP6N60UFD	TO-220	Power Conversion	600	3
SGR15N40L	TO-252(DPAK)	Camera Strobe	400	130
SGR20N40L	TO-252(DPAK)	Camera Strobe	400	150
SGR2N60UFD	TO-252(DPAK)	Power Conversion	600	1.2
SGR6N60UF	TO-252(DPAK)	Power Conversion	600	3
SGS10N60RUF	TO-220F	Motor	600	10
SGS10N60RUFD	TO-220F	Motor Power Conversion	600	10
SGS13N60UFD	TO-220F	Power Conversion	600	6.5
SGS23N60UFD	TO-220F	Power Conversion	600	12
SGS5N150UF	TO-220F	Power Conversion	1500	5
SGS5N60RUFD	TO-220F	Motor Power Conversion	600	5
SGS6N60UF	TO-220F	Power Conversion	600	3
SGS6N60UFD	TO-220F	Power Conversion	600	3
SGU15N40L	TO-251(IPAK)	Camera Strobe	400	130
SGU20N40L	TO-251(IPAK)	Camera Strobe	400	150
SGW10N60RUFD	TO-263(D2PAK)	Motor Power Conversion	600	10
SGW13N60UFD	TO-263(D2PAK)	Power Conversion	600	6.5
SGW23N60UFD	TO-263(D2PAK)	Power Conversion	600	12
SGW5N60RUFD	TO-263(D2PAK)	Motor Power Conversion	600	5