

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
Fairchild (*)	SGR2N60UFD		600	DPAK		2.0	1.2A@100°C		anti-parallel diode	SKB02N60
Fairchild (*)	SGP10N60RUF		600	TO220		2.2	10A@100°C			SGP10N60
Fairchild (*)	SGP10N60RUFD		600	TO220		2.2	10A@100°C		anti-parallel diode	SKP10N60
Fairchild (*)	SGH10N60RUFD		600	TO3P		2.2	10A@100°C		anti-parallel diode	SKP10N60
Fairchild (*)	SGW10N60RUFD		600	TO220SMD		2.2	10A@100°C		anti-parallel diode	SKB10N60
Fairchild (*)	SGL10N60RUFD		600	TO-264		2.0	10A@100°C		anti-parallel diode	SKW10N60
Fairchild (*)	SGS10N60RUFD		600	TO-220FP		2.0	10A@100°C		anti-parallel diode	no device
Fairchild (*)	SGP23N60UF		600	TO220		2.0	12A@100°C			SGP15N60
Fairchild (*)	SGW23N60UFD		600	TO220		2.0	12A@100°C		anti-parallel diode	SKP15N60
Fairchild (*)	SGH23N60UFD		600	TO3P		2.0	12A@100°C		anti-parallel diode	SKP15N60
Fairchild (*)	SGW23N60UF		600	TO220SMD		2.0	12A@100°C			SGB15N60
Fairchild (*)	SGH23N60UF		600	TO3P		2.0	12A@100°C			SGW15N60
Fairchild (*)	SGP23N60UFD		600	TO-220		2.0	12A@100°C		anti-parallel diode	SKP15N60
Fairchild (*)	SGS23N60UF		600	TO-220FP		2.0	12A@100°C			no device
Fairchild (*)	SGP15N60RUF		600	TO220		2.2	15A@100°C			SGP15N60
Fairchild (*)	SGH23N60UFD		600	TO3P		2.0	15A@100°C		anti-parallel diode	SKP15N60
Fairchild (*)	SGH15N60RUFD		600	TO3P		2.2	15A@100°C		anti-parallel diode	SKP15N60
Fairchild (*)	SGL15N60RUFD		600	TO-264		2.0	15A@100°C		anti-parallel diode	SKW15N60
Fairchild (*)	SGP20N60RUF		600	TO220		2.2	20A@100°C			SGP20N60
Fairchild (*)	SGH20N60RUFD		600	TO3P		2.2	20A@100°C		anti-parallel diode	SKW20N60
Fairchild (*)	SGH40N60UFD		600	TO3P		2.0	20A@100°C		anti-parallel diode	SKW20N60
Fairchild (*)	SHG40N60UF		600	TO3P		2.0	20A@100°C			SGP20N60
Fairchild (*)	SGP20N60RUF		600	TO220		2.2	20A@100°C			SGP20N60
Fairchild (*)	SGP40N60UF		600	TO220		2.0	20A@100°C			SGP20N60
Fairchild (*)	SGW20N60RUF		600	TO220SMD		2.2	20A@100°C			SGB20N60
Fairchild (*)	SGL20N60RUFD		600	TO-264		2.0	20A@100°C		anti-parallel diode	SKW20N60
Fairchild (*)	SGH30N60RUFD		600	TO3P		2.2	30A@100°C			SKW30N60
Fairchild (*)	SGH30N60UFD		600	TO3P		2.0	30A@100°C		anti-parallel diode	SKW30N60
Fairchild (*)	SGH30N60RUFD		600	TO3P		2.2	30A@100°C		anti-parallel diode	SKW30N60
Fairchild (*)	SGL30N60RUFD		600	TO-264		2.0	30A@100°C		anti-parallel diode	SKW30N60
Fairchild (*)	SGP6N60UF		600	TO220		2.0	3A@100°C			SGP04N60
Fairchild (*)	SGP6N60UFD		600	TO220		2.0	3A@100°C		anti-parallel diode	SKP04N60
Fairchild (*)	SGW6N60UF		600	TO220SMD		2.0	3A@100°C			SGB04N60
Fairchild (*)	SGW6N60UFD		600	TO220SMD		2.0	3A@100°C		anti-parallel diode	SKB04N60
Fairchild (*)	SGU6N60UF		600	IPAK		2.0	3A@100°C			SGU04N60
Fairchild (*)	SGH80N60UF		600	TO3P		2.0	40A@100°C			no device
Fairchild (*)	SGH80N60RUFD		600	TO3P		2.2	40A@100°C		anti-parallel diode	no device
Fairchild (*)	SGH80N60UFD		600	TO3P		2.0	40A@100°C			no device
Fairchild (*)	SGL50N60RUFD		600	TO-264		2.0	50A@100°C		anti-parallel diode	no device

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
Fairchild (*)	SGP5N60RUF		600	TO220		2.2	5A@100°C			SGP06N60
Fairchild (*)	SGP5N60RUFDF		600	TO220		2.2	5A@100°C		anti-parallel diode	SKP06N60
Fairchild (*)	SGW5N60RUFDF		600	TO220SMD		2.2	5A@100°C		anti-parallel diode	SKB06N60
Fairchild (*)	SGU5N60RUF		600	IPAK		2.2	5A@100°C			SGU06N60
Fairchild (*)	SGW5N60RUF		600	TO220SMD		2.2	5A@100°C			SGB06N60
Fairchild (*)	SGL5N60RUFDF		600	TO-264		2.0	5A@100°C		anti-parallel diode	SKP06N60
Fairchild (*)	SGR5N60RUF		600	DPAK		2.0	5A@100°C			SGD06N60
Fairchild (*)	SGP13N60UF		600	TO220		2.0	7A@100°C			SGP06N60
Fairchild (*)	SGP13N60UFD		600	TO220		2.0	7A@100°C		anti-parallel diode	SKP10N60
Fairchild (*)	SGW13N60UFD		600	TO220SMD		2.0	7A@100°C		anti-parallel diode	SGB10N60
Fairchild (*)	SGW13N60UF		600	TO220SMD		2.0	7A@100°C			SKB10N60
Fairchild (*)	SGH13N60UFD		600	TO3P		2.0	7A@100°C		anti-parallel diode	SKP10N60
(*) previous Samsung Power Products										
ST	STGP10NB60S		600	TO220		1.35	10A@100°C			SGP10N60
ST	STGP20NB60H		600	TO220		2.3	20A@100°C			SGP20N60
ST	STGW20NB60H		600	TO247		2.3	20A@100°C			SGW20N60
ST	STGW20NB60HD		600	TO247		2.3	20A@100°C		anti-parallel diode	SKW20N60
ST	STGD7NB60H		600	DPAK		2.3	7A@100°C			SGD06N60
ST	STGP7NB60H		600	TO220		2.3	7A@100°C			SGP06N60
ST	STGP7NB60HD		600	TO220		2.3	7A@100°C		anti-parallel diode	SKP06N60
ST	STGB7NB60HD		600	D ² PAK		2.3	7A@100°C		anti-parallel diode	SKB06N60
ST	STGP7NB60HDFP		600	TO220FP		2.3	7A@100°C		anti-parallel diode	SKA06N60
Intersil (*)	HGTP3N60B3S		600	TO220		1.8	3A@110°C		Quantum Speed	SGP04N60
Intersil (*)	HGT1S3N60B3		600	TO262		1.8	3A@110°C		Quantum Speed	no device
Intersil (*)	HGTD3N60B3		600	IPAK		1.8	3A@110°C		Quantum Speed	SGU04N60
Intersil (*)	HGTP3N60B3S		600	DPAK		1.8	3A@110°C		Quantum Speed	SGD04N60
Intersil (*)	HGT1S3N60B3S		600	TO-220SMD		1.8	3A@110°C		Quantum Speed	SGB04N60
Intersil (*)	HGTP7N60B3		600	TO220		1.8	7A@110°C		Quantum Speed	SGP06N60 / SGP10N60
Intersil (*)	HGT1S7N60B3		600	TO262		1.8	7A@110°C		Quantum Speed	no device
Intersil (*)	HGTD7N60B3		600	IPAK		1.8	7A@110°C		Quantum Speed	SGU06N60 / SGP10N60
Intersil (*)	HGTD7N60B3S		600	DPAK		1.8	7A@110°C		Quantum Speed	SGD06N60 / SGB10N60
Intersil (*)	HGT1S7N60B3S		600	TO-220SMD		1.8	7A@110°C		Quantum Speed	SGB06N60 / SGB10N60
Intersil (*)	HGTP12N60B3		600	TO220		1.6	12A@110°C		Quantum Speed	SGP15N60
Intersil (*)	HGT1S12N60B3		600	TO262		1.6	12A@110°C		Quantum Speed	no device
Intersil (*)	HGT1S12N60B3S		600	TO220SMD		1.6	12A@110°C		Quantum Speed	SGB15N60
Intersil (*)	HGTG20N60B3		600	TO247		1.8	20A@110°C		Quantum Speed	SGW20N60
Intersil (*)	HGTP20N60B3		600	TO220			20A@110°C		Quantum Speed	SGP20N60
Intersil (*)	HGTG30N60B3		600	TO247		1.45	30A@110°C		Quantum Speed	SGW30N60
Intersil (*)	HGTG40N60B3		600	TO247		1.4	40A@110°C		Quantum Speed	no device

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
Intersil (*)	HGTP3N60C3D		600	TO220		1.65	3A@110°C		anti-parallel diode	SKP04N60
Intersil (*)	HGT1S3N60C3D		600	TO262		1.65	3A@110°C		anti-parallel diode	no device
Intersil (*)	HGT1S3N60C3DS		600	TO220SMD		1.65	3A@110°C		anti-parallel diode	SKB04N60
Intersil (*)	HGTP7N60C3D		600	TO220		1.6	7A@110°C		anti-parallel diode	SKP06N60 / SKP10N60
Intersil (*)	HGT1S7N60C3D		600	TO262		1.6	7A@110°C		anti-parallel diode	no device
Intersil (*)	HGT1S7N60C3DS		600	TO220SMD		1.6	7A@110°C		anti-parallel diode	SKB06N60 / SKB10N60
Intersil (*)	HGTP12N60B3D		600	TO220		1.65	12A@110°C		anti-parallel diode	SKP15N60
Intersil (*)	HGT1S12N60C3D		600	TO262		1.65	12A@110°C		anti-parallel diode	no device
Intersil (*)	HGT1S12N60C3DS		600	TO220SMD		1.65	12A@110°C		anti-parallel diode	SKB15N60
Intersil (*)	HGTG20N60B3DR		600	TO247		1.8	20A@110°C		anti-parallel diode	SKW20N60
Intersil (*)	HGTG27N60B3DR		600	TO247		1.8	27A@110°C		anti-parallel diode	SKW30N60
Intersil (*)	HGTG30N60B3D		600	TO247		1.5	30A@110°C		anti-parallel diode	SKW30N60
Intersil (*)	HGTD3N60C3S		600	DPAK		1.65	3A@110°C		ultra-fast	SGD02N60,SGD04N60
Intersil (*)	HGTG20N60C3		600	TO247		1.4	20A@110°C		ultra-fast	SGW20N60
Intersil (*)	HGTP20N60C3		600	TO220		1.4	20A@110°C		ultra-fast	SGP20N60
Intersil (*)	HGT1S20N60C3		600	TO262		1.4	20A@110°C		ultra-fast	no device
Intersil (*)	HGT1S20N60C3S		600	TO220SMD		1.4	20A@110°C		ultra-fast	SGB20N60
Intersil (*)	HGTG20N60C3D		600	TO247		1.4	20A@110°C		anti-parallel diode	SKW20N60
Intersil (*)	HGTD7N60C3		600	IPAK		1.6	7A@110°C		ultra-fast	SGU06N60
Intersil (*)	HGTD7N60C3S		600	DPAK		1.6	7A@110°C		ultra-fast	SGD06N60
Intersil (*)	HGTP7N60C3		600	TO220		1.6	7A@110°C		ultra-fast	SGP06N60
Intersil (*)	HGTP12N60C3		600	TO220		1.65	12A@110°C		ultra-fast	SGP15N60
Intersil (*)	HGT1S12N60C3		600	TO262		1.65	12A@110°C		ultra-fast	no device
Intersil (*)	HGT1S12N60C3S		600	TO220SMD		1.65	12A@110°C		ultra-fast	SGB15N60
Intersil (*)	HGTG12N60C3D		600	TO247		1.65	12A@110°C		anti-parallel diode	SKW15N60
Intersil (*)	HGTP12N60C3D		600	TO220		1.65	12A@110°C		anti-parallel diode	SKP15N60
Intersil (*)	HGT1S12N60C3D		600	TO262		1.65	12A@110°C		anti-parallel diode	no device
Intersil (*)	HGT1S12N60C3DS		600	TO220SMD		1.65	12A@110°C		anti-parallel diode	SKB15N60
Intersil (*)	HGTG30N60C3		600	TO247		1.5	30A@110°C		ultra-fast	SGW30N60
Intersil (*)	HGTG30N60C3D		600	TO247		1.5	30A@110°C		anti-parallel diode	SKW30N60
Intersil (*)	HGTD1N120BNS		1200	TO252AA		2.5V @1A	2.7A @110°C		NPT	SGD02N120
Intersil (*)	HGTP1N120BN		1200	TO220AB		2.5V @1A	2.7A @110°C		NPT	SGP02N120
Intersil (*)	HGTP1N120BND		1200	TO220AB		2.5V @1A	2.7A @110°C		anti-parallel diode	SKP02N120
Intersil (*)	HGT1S1N120BNDS		1200	TO263AB		2.5V @1A	2.7A @110°C		anti-parallel diode	SKB02N120
Intersil (*)	HGTP1N120CND		1200	TO220AB		2.05V @1A	3.2A @110°C		anti-parallel diode	SKP02N120
Intersil (*)	HGT1S1N120CNDS		1200	TO263AB		2.05V @1A	3.2A @110°C		anti-parallel diode	SKB02N120
Intersil (*)	HGTD1N120CNS		1200	TO252AA		2.05V @1A	3.2A @110°C		NPT	SGD02N120
Intersil (*)	HGTP1N120CN		1200	TO220AB		2.05V @1A	3.2A @110°C		NPT	SGP02N120
Intersil (*)	HGTP2N120BN		1200	TO220AB		2.45V @2.3A	5.6A @110°C		NPT	SGP07N120

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
Intersil (*)	HGTD2N120BNS		1200	TO252AA		2.45V @2.3A	5.6A @110°C		NPT	no device
Intersil (*)	HGT1S2N120BNS		1200	TO263AB		2.45V @2.3A	5.6A @110°C		NPT	SGB07N120
Intersil (*)	HGTP2N120BND		1200	TO220AB		2.45V @2.3A	5.6A @110°C		anti-parallel diode	SKP07N120
Intersil (*)	HGT1S2N120BNDS		1200	TO263AB		2.45V @2.3A	5.6A @110°C		anti-parallel diode	SKB07N120
Intersil (*)	HGTD2N120CNS		1200	TO220AB		2.05V @2.6A	7A @110°C		NPT	SGP07N120
Intersil (*)	HGTP2N120CN		1200	TO252AA		2.05V @2.6A	7A @110°C		NPT	no device
Intersil (*)	HGT1S2N120CNS		1200	TO263AB		2.05V @2.6A	7A @110°C		NPT	SGB07N120
Intersil (*)	HGTP2N120CND		1200	TO220AB		2.05V @2.6A	7A @110°C		anti-parallel diode	no device
Intersil (*)	HGT1S2N120CNDS		1200	TO263AB		2.05V @2.6A	7A @110°C		anti-parallel diode	no device
Intersil (*)	HGTP5N120BN		1200	TO220AB		2.45V @5A	10A @110°C		NPT	SGP07N120/SGP15N120
Intersil (*)	HGT1S5N120BNS		1200	TO263AB		2.45V @5A	10A @110°C		NPT	SGB07N120/SGB15N120
Intersil (*)	HGTG5N120BND		1200	TO247		2.45V @5A	10A @110°C		anti-parallel diode	SKW07N120/SKW15N120
Intersil (*)	HGTP5N120BND		1200	TO220AB		2.45V @5A	10A @110°C		anti-parallel diode	no device
Intersil (*)	HGT1S5N120BNDS		1200	TO263AB		2.45V @5A	10A @110°C		anti-parallel diode	no device
Intersil (*)	HGTP5N120CN		1200	TO220AB		2.1V @5.5A	12A @110°C		NPT	SGP15N120
Intersil (*)	HGT1S5N120CNS		1200	TO263AB		2.1V @5.5A	12A @110°C		NPT	SGB15N120
Intersil (*)	HGTG5N120CND		1200	TO247		2.1V @5.5A	12A @110°C		anti-parallel diode	SKW15N120
Intersil (*)	HGTP5N120CND		1200	TO220AB		2.1V @5.5A	12A @110°C		anti-parallel diode	no device
Intersil (*)	HGT1S5N120CNDS		1200	TO263AB		2.1V @5.5A	12A @110°C		anti-parallel diode	no device
Intersil (*)	HGTG10N120BND		1200	TO247		2.45V @10A	17A @110°C		anti-parallel diode	SKW15N120
Intersil (*)	HGTG10N120BN		1200	TO247		2.45V @10A	17A @110°C		NPT	SGW15N120
Intersil (*)	HGTP10N120BN		1200	TO220AB		2.45V @10A	17A @110°C		NPT	SGP15N120
Intersil (*)	HGT1S10N120BNS		1200	TO263AB		2.45V @10A	17A @110°C		NPT	SGB15N120
Intersil (*)	HGTG11N120CND		1200	TO247		2.1V @11A	22A @110°C		anti-parallel diode	SKW25N120
Intersil (*)	HGTG11N120CN		1200	TO247		2.1V @11A	22A @110°C		NPT	SGW25N120
Intersil (*)	HGTP11N120CN		1200	TO220AB		2.1V @11A	22A @110°C		NPT	no device
Intersil (*)	HGT1S11N120CNS		1200	TO263AB		2.1V @11A	22A @110°C		NPT	no device
Intersil (*)	HGTG18N120BN		1200	TO247		2.45V @18A	26A @110°C		NPT	SGW25N120
Intersil (*)	HGTG18N120BND		1200	TO247		2.45V @18A	26A @110°C		anti-parallel diode	SGW25N120
Intersil (*)	HGTG20N120CN		1200	TO247		2.1V @20A	30A @110°C		NPT	no device
Intersil (*)	HGTG20N120CND		1200	TO247		2.1V @20A	30A @110°C		anti-parallel diode	no device
Intersil (*)	HGTG27N120BN		1200	TO247		2.45V @27A	27A @110°C		NPT	no device
Intersil (*)	HGTG30N120CN		1200	TO247		2.1V @40A	40A @110°C		NPT	no device
(*) previous Harris Power Products										
IR	IRG4BC20W		600	TO220		2.16	6.5A@100°C		Warp	SGP06N60
IR	IRG4BC30W		600	TO220		2.70	12A@100°C		Warp	SGP10N60,SGP15N60
IR	IRG4BC40W		600	TO220		2.05	20A@100°C		Warp	SGP20N60
IR	IRG4PC50W		600	TO247		2.3	27A@100°C		Warp	SGW30N60
IR	IRG4PC30W		600	TO247		2.7	12A@100°C		Warp	SGW10N60,SGW15N60

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
IR	IRG4BC30W-S		600	TO220SMD		2.7	12A@100°C		Warp	SGB10N60,SGB15N60
IR	IRG4PC40W		600	TO247		2.05	20A@100°C		Warp	SGW20N60
IR	IRG4RC10UD		600	DPAK		2.15	5A@100°C		anti-parallel diode	no device
IR	IRG4RC10U		600	DPAK		2.15	5A@100°C		ultra-fast	SGD06N60
IR	IRG4BC10UD		600	TO220		2.15	5A@100°C		anti-parallel diode	SKP06N60
IR	IRG4BC20UD		600	TO220		1.85	6,5A@100°C		anti-parallel diode	SKP06N60
IR	IRG4BC20U		600	TO220		1.85	6,5A@100°C		ultra-fast	SGD06N60
IR	IRG4BC30UD		600	TO220		1.95	12A@100°C		anti-parallel diode	SKP10N60,SKP15N60
IR	IRG4BC30U		600	TO220		1.95	12A@100°C		ultra-fast	SGP10N60,SGP15N60
IR	IRG4PC30UD		600	TO247		1.95	12A@100°C		anti-parallel diode	SKW10N60,SKW15N60
IR	IRG4PC30U		600	TO247		1.95	12A@100°C		ultra-fast	SGW10N60,SGW15N60
IR	IRG4PC40UD		600	TO247		1.72	20A@100°C		anti-parallel diode	SKW20N60
IR	IRG4PC40U		600	TO247		1.72	20A@100°C		ultra-fast	SGW20N60
IR	IRG4BC40U		600	TO220		1.72	20A@100°C		ultra-fast	SGP20N60
IR	IRG4PC50UD		600	TO247		1.65	27A@100°C		anti-parallel diode	SKW30N60
IR	IRG4PC50U		600	TO247		1.65	27A@100°C		ultra-fast	SGW30N60
IR	IRG4ZC70UD		600	SMD10		1.5	50A@100°C		anti-parallel diode	no device
IR	IRG4PSC71UD		600	Super247		1.67	60A@100°C		anti-parallel diode	no device
IR	IRG4PSC71U		600	Super247		1.67	60A@100°C		ultra-fast	no device
IR	IRG4IBC10UD		600	TO220Fullpak		2.15	5A@100°C		anti-parallel diode	SKA06N60
IR	IRG4IBC20UD		600	TO220Fullpak		1.85	6,5A@100°C		anti-parallel diode	SKA06N60
IR	IRG4BC30U-S		600	TO220SMD		1.95	12A@100°C		ultra-fast	SGB10N60
IR	IRG4PH40UD		1200	TO247		2.65	16A@100°C		anti-parallel diode	SKW15N120
IR	IRG4PH40U		1200	TO247		2.65	16A@100°C		ultra-fast	SGW15N120
IR	IRG4PH50UD		1200	TO247		2.78	24A@100°C		anti-parallel diode	SKW25N120
IR	IRG4PH50U		1200	TO247		2.78	24A@100°C		ultra-fast	SGW25N120
Motorola	MGW12N120		1200	TO247		3.5 @ 5A, 125°C	12A @ 90°C			SGW15N120 / BUP314S
Motorola	MGW12N120D		1200	TO247		3.8 @ 5A, 125°C	12A @ 90°C		anti-parallel diode	SKW15N120 / BUP311D
Motorola	MGW20N120		1200	TO247		2.4 @ 10A, 125°C	20A @ 90°C			SGW25N120 / BUP314
Motorola	MGY20N120D		1200	TO264		2.4 @ 10A, 125°C	20A @ 90°C		anti-parallel diode	SKW25N120 / BUP314D
Motorola	MGY25N120		1200	TO264		2.2 @ 12,5A, 125°C	25A @ 90°C			SGW25N120 / BUP314
Motorola	MGY25N120D		1200	TO264		2.2 @ 12,5A, 125°C	25A @ 90°C		anti-parallel diode	SKW25N120 / BUP314D
Motorola	MGP11N60E		600	TO220		2.0 @ 8A, 125°C	11A @ 90°C			SGP10N60
Motorola	MGP11N60ED		600	TO220		2.0 @ 8A, 125°C	11A @ 90°C		anti-parallel diode	SKP10N60
Motorola	MGP14N60E		600	TO220		2.0 @ 10A, 125°C	14A @ 90°C			SGP15N60
Motorola	MGP15N60U		600	TO220		1.7 @ 8A, 125°C	15A @ 90°C			SGP15N60
Motorola	MGP20N60U		600	TO220		1.7 @ 10A, 125°C	20A @ 90°C			SGP20N60
Motorola	MGP21N60E		600	TO220		2.1 @ 20A, 125°C	21A @ 90°C			SGP20N60
Motorola	MGP4N60E		600	TO220		2.0 @ 3A, 125°C	4A @ 90°C			SGP04N60

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
Motorola	MGP4N60ED		600	TO220		2.0 @ 3A, 125°C	4A @ 90°C		anti-parallel diode	SKP04N60
Motorola	MGP7N60E		600	TO220		2.0 @ 5A, 125°C	7A @ 90°C			SGP06N60
Motorola	MGP7N60ED		600	TO220		2.0 @ 5A, 125°C	7A @ 90°C		anti-parallel diode	SKP06N60
Motorola	MGW14N60ED		600	TO247		2.0 @ 10A, 125°C	14A @ 90°C		anti-parallel diode	SKW15N60
Motorola	MGW21N60ED		600	TO247		2.1 @ 20A, 125°C	21A @ 90°C		anti-parallel diode	SKW20N60
Motorola	MGW30N60		600	TO247		2.0 @ 125°C	30A @ 90°C			SGW30N60
Motorola	MGY40N60		600	TO264		2.1 @ 125°C	40A @ 90°C			no device
IXYS	IXGA10N60		600	TO263		2.5 @ 25°C	10 @ 90°C		HiPerFast-IGBT	SGB10N60 / BUP400
IXYS	IXGA12N60C		600	TO263		2.1 @ 25°C	12 @ 90°C			SGB10N60 / BUP400
IXYS	IXGA12N60CD1		600	TO263		2.1 @ 25°C	12 @ 90°C		anti-parallel diode	SKB10N60
IXYS	IXGA20N60B		600	TO263		1.7 @ 25°C	20 @ 90°C			SGB20N60 / BUP402
IXYS	IXGA7N60B		600	TO263		1.5 @ 25°C	7 @ 90°C			SGB06N60
IXYS	IXGA7N60C		600	TO263		2 @ 25°C	7 @ 90°C			SGB06N60
IXYS	IXGH10N60		600	TO247		2.5 @ 25°C	10 @ 90°C		HiPerFast-IGBT	SGW10N60
IXYS	IXGH12N60C		600	TO247		2.1 @ 25°C	12 @ 90°C			SGW10N60
IXYS	IXGH20N60		600	TO247		2.5 @ 25°C	20 @ 90°C		HiPerFast-IGBT	SGB20N60 / BUP402
IXYS	IXGH20N60A		600	TO247		3 @ 25°C	20 @ 90°C			SGW20N60 / BUP313
IXYS	IXGH20N60B		600	TO247		1.7 @ 25°C	20 @ 90°C			SGW20N60 / BUP313
IXYS	IXGH20N60BD1		600	TO247		1.7 @ 25°C	20 @ 90°C		anti-parallel diode	SKW20N60
IXYS	IXGH28N60B		600	TO247		2 @ 25°C	28 @ 90°C		HiPerFast-IGBT	SGB30N60 / BUP403
IXYS	IXGH28N60D1		600	TO247		2 @ 25°C	28 @ 90°C		anti-parallel diode	SKW30N60 / BUP603D
IXYS	IXGH30N60		600	TO247		1.8 @ 25°C	30 @ 90°C		HiPerFast-IGBT	SGW30N60
IXYS	IXGH31N60		600	TO247		1.7 @ 25°C	31 @ 90°C		HiPerFast-IGBT	SGW30N60
IXYS	IXGH31N60D1		600	TO247		1.7 @ 25°C	31 @ 90°C		anti-parallel diode	SKW30N60 / BUP603D
IXYS	IXGH38N60		600	TO247		1.8 @ 25°C	38 @ 90°C		HiPerFast-IGBT	BUP604
IXYS	IXGH40N60		600	TO247		2.5 @ 25°C	40 @ 90°C		HiPerFast-IGBT	BUP604
IXYS	IXGH41N60		600	TO247		1.6 @ 25°C	41 @ 90°C		HiPerFast-IGBT	BUP604
IXYS	IXGH50N60B		600	TO247			50 @ 90°C			BUP604
IXYS	IXGH60N60		600	TO247		1.6 @ 25°C	60 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGK60N60		600	TO264		1.6 @ 25°C	60 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGM20N60		600	TO204		2.5 @ 25°C	20 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGM20N60A		600	TO204		3 @ 25°C	20 @ 90°C			no device
IXYS	IXGM28N60B		600	TO204		2 @ 25°C	28 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGM30N60		600	TO204		1.8 @ 25°C	30 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGM40N60		600	TO204		2.5 @ 25°C	40 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGP10N60		600	TO220		2.5 @ 25°C	10 @ 90°C		HiPerFast-IGBT	SGP10N60 / BUP400
IXYS	IXGP12N60C		600	TO220		2.1 @ 25°C	12 @ 90°C			SGP10N60 / BUP400
IXYS	IXGP12N60CD1		600	TO220		2.1 @ 25°C	12 @ 90°C		anti-parallel diode	SKP10N60
IXYS	IXGP20N60B		600	TO220		1.7 @ 25°C	20 @ 90°C			SGP20N60 / BUP402

Cross Reference List Fast IGBT & DuoPack

Company	Product Name	n-channel/ p-channel	Vce [V]	Package	Vgsth [V]	typ. VCE sat [V] @25°C	Ic@x°C [A]	Qgtotal @Vds @Id @Vgs	special features	Closest Siemens Equivalent
IXYS	IXGP7N60B		600	TO220		1.5 @ 25°C	7 @ 90°C			SGP06N60
IXYS	IXGP7N60C		600	TO220		2 @ 25°C	7 @ 90°C			SGP06N60
IXYS	IXGT20N60BD1		600	TO268		1.7 @ 25°C	20 @ 90°C		anti-parallel diode	no device
IXYS	IXGT28N60D1		600	TO268		2 @ 25°C	28 @ 90°C		anti-parallel diode	no device
IXYS	IXGT31N60		600	TO268		1.7 @ 25°C	31 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXGT31N60D1		600	TO268		1.7 @ 25°C	31 @ 90°C		anti-parallel diode	no device
IXYS	IXGT60N60		600	TO268		1.6 @ 25°C	60 @ 90°C		HiPerFast-IGBT	no device
IXYS	IXSA12N60AU1		600	TO263		2.5 @ 25°C	12 @ 90°C		anti-parallel diode	SKB10N60 / BUP400D
IXYS	IXSA16N60		600	TO263		1.8 @ 25°C	16 @ 90°C			SGB15N60 / BUP401
IXYS	IXSH10N60A		600	TO247		3 @ 25°C	10 @ 90°C			SGW10N60
IXYS	IXSH16N60U1		600	TO247		1.8 @ 25°C	16 @ 90°C		anti-parallel diode	SKW15N60
IXYS	IXSH20N60AU1		600	TO247		3 @ 25°C	20 @ 90°C		anti-parallel diode	SKW20N60 / BUP602D
IXYS	IXSH24N60		600	TO247		2.2 @ 25°C	24 @ 90°C		HiPerFast-IGBT	SGW20N60
IXYS	IXSH24N60A		600	TO247		2.7 @ 25°C	24 @ 90°C		HiPerFast-IGBT	SGW20N60
IXYS	IXSH24N60U1		600	TO247		2.2 @ 25°C	24 @ 90°C		anti-parallel diode	SKW20N60 / BUP602D
IXYS	IXSH30N60		600	TO247		2.5 @ 25°C	30 @ 90°C			SGW30N60
IXYS	IXSH30N60U1		600	TO247		2.5 @ 25°C	30 @ 90°C		anti-parallel diode	SKW30N60 / BUP603D
IXYS	IXSH40N60		600	TO247		2.5 @ 25°C	40 @ 90°C			BUP604
IXYS	IXSP16N60		600	TO220		1.8 @ 25°C	16 @ 90°C			SGP15N60 / BUP401
IXYS	IXDA20N120AS		1200	TO263		2.8 @ 25°C	21 @ 90°C			SGW25N120
IXYS	IXDH20N120		1200	TO247		2.4 @ 25°C	25 @ 90°C			SGW25N120 / BUP314
IXYS	IXDH20N120D1		1200	TO247		2.4 @ 25°C	25 @ 90°C		anti-parallel diode	SKW25N120 / BUP314D
IXYS	IXDH30N120AU1		1200	TO247		2.5 @ 25°C	31 @ 90°C		anti-parallel diode	SKW25N120 / BUP314D
IXYS	IXDT30N120AU1		1200	TO268		2.5 @ 25°C	31 @ 90°C		anti-parallel diode	SKW25N120 / BUP314D
IXYS	IXGH25N120		1200	TO247		3.5 @ 25°C	25 @ 90°C			SGW25N120
IXYS	IXGH25N120A		1200	TO247		4 @ 25°C	25 @ 90°C			SGW25N120
IXYS	IXGH25N120AU1		1200	TO247			25 @ 90°C		anti-parallel diode	SKW25N120
IXYS	IXSH10N120A		1200	TO247			30 @ 90°C			SGW30N60
IXYS	IXSH10N120AU1		1200	TO247		4 @ 25°C	10 @ 90°C		anti-parallel diode	SKW07N120
IXYS	IXSH15N120A		1200	TO247		4 @ 25°C	15 @ 90°C			SGW15N120 / BUP314S
IXYS	IXSH15N120AU1		1200	TO247		4 @ 25°C	15 @ 90°C		anti-parallel diode	SKW15N120 / BUP313D
IXYS	IXSH25N120A		1200	TO247		4 @ 25°C	25 @ 90°C			SGW25N120 / BUP314
IXYS	IXSH25N120AU1		1200	TO247		4 @ 25°C	25 @ 90°C		anti-parallel diode	SKW25N120 / BUP314D
IXYS	IXSH45N120		1200	TO247		3 @ 25°C	45 @ 90°C			no device