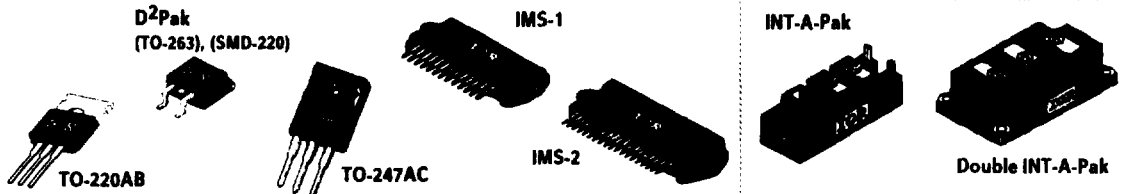


IGBTs

Insulated Gate Bipolar Transistors

Part Number	V _{CE} Collector to Emitter Voltage (Volts)	Max V _{CE(on)} Collector to Emitter Voltage (Volts)	I _C Continuous Collector Current T _C =25° C (Amps)	T _C =100° C (Amps)	P _D Max Power Dissipation (Watts)	Circuit	Fax-on- Demand Number	Case Style, (Case Outline) (1)
ULTRA-FAST								
<i>Ultra-Fast™ IGBTs for Higher Frequency (10 - 30kHz) Power Applications</i>								
<i>Short Circuit Rated — Optimized for Motor Control Applications</i>								
Discrete								
IRGBC20K	600	3.5	10	6	60	A	91128	TO-220AB (IG1)
IRGBC30K	600	3.8	23	14	100		91071	
IRGBC40K	600	3.2	42	25	160		91073	
IRGBC20K-S	600	3.5	10	6	60	A	—	D ² Pak** (IG2)
IRGBC30K-S	600	3.3	23	14	100		—	
IRGBC40K-S	600	3.2	42	25	160		—	
IRGPC30K	600	3.8	23	14	100	A	91075	TO-247AC (IG3)
IRGPC40K	600	3.2	42	25	160		91077	
IRGPC50K	600	2.7	52	30	200		91034	
IRGPC60K	600	3.1	70	41	280		91296	
Co-Pak								
IRGBC20KD2	600	3.5	10	6	60	B	91105	TO-220AB (IG1)
IRGBC30KD2	600	3.8	23	14	100		91107	
IRGBC20KD2-S	600	3.5	10	6	60	B	91125	D ² Pak** (IG2)
IRGBC30KD2-S	600	3.8	23	14	100		91142	(SMD-220, TO-263)
IRGPC20KD2	600	3.5	10	6	60	B	91109	TO-247AC (IG3)
IRGPC30KD2	600	3.8	23	14	100		91081	
IRGPC40KD2	600	3.2	42	25	160		91114	
IRGPC50KD2	600	2.7	52	30	200		91123	
Module								
CPU165MK	600	2.7	33	17	83	E	—	IMS-1 (IG4)
CPV362MK	600	3.5	5.7	3	23	H	50032	IMS-2 (IG5)
CPV363MK	600	3.0	11	6	36		50034	
CPV364MK	600	3.1	24	13	63		50037	
IRGKIN100K06	600	2.7	130	50	500	F	—	INT-A-Pak (IG7)
IRGKIN150K06	600	2.7	170	70	658		—	
IRGNIN100K06	600	2.7	130	50	500	G	—	(IG9)
IRGNIN150K06	600	2.7	170	70	658		—	
IRGTIN100K06	600	2.7	130	50	500	E	—	(IG11)
IRGTIN150K06	600	2.7	170	70	658		—	
Module								
IRGDDN300K06	600	2.7	340	140	1563	C	—	Double INT-A-Pak (IG13)
IRGDDN400K06	600	2.7	520	200	1984		—	
IRGDDN600K06	600	2.7	680	280	2604		91197	
IRGRDN300K06	600	2.7	340	140	1563	D	—	(IG13)
IRGRDN400K06	600	2.7	520	200	1984		—	
IRGRDN600K06	600	2.7	680	280	2604		91197	
IRGTDN200K06	600	2.7	260	100	1000		—	(IG12)
IRGTDN300K06	600	2.7	340	140	1316		—	
Discrete								
IRGPH40K	1200	3.5	18	10	160	A	91248	TO-247AC (IG3)
IRGPH50K	1200	3.5	36	20	200		91126	
Co-Pak								
IRGPH40KD2	1200	4.5	18	10	160	B	91250	TO-247AC (IG3)
IRGPH50KD2	1200	3.5	36	20	200		91121	



(1) See page 105 for Case Outline information

** D²Pak = TO-263 = SMD-220