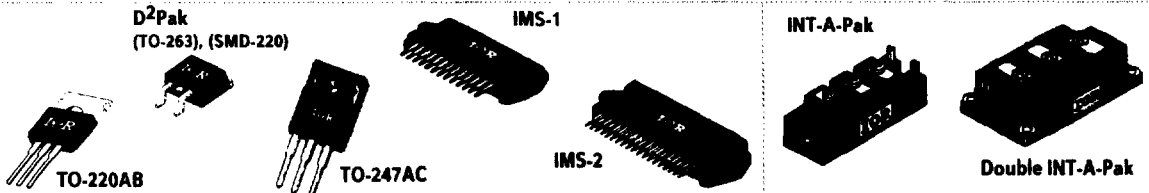




Insulated Gate Bipolar Transistors

IGBTs

Part Number	V _{CE(s)} Collector to Emitter Voltage (Volts)	Max V _{CE(on)} Collector to Emitter Voltage (Volts)	I _C Continuous Collector Current		P _D Max Power Dissipation (Watts)	Circuit	Fax-on- Demand Number	Case Style, (Case Outline) (1)
			T _C =25° C (Amps)	T _C =100° C (Amps)				
ULTRA-FAST <i>Ultra-Fast™ IGBTs for Higher Frequency (10 - 30kHz) Power Applications High Efficiency — Optimized for Power Conversion</i>								
Discrete								
IRGB420U	500	3.0	14	7.5	60	A	90784	TO-220AB (IG1)
IRGB430U	500	3.0	25	15	100		90783	
IRGB440U	500	3.0	40	22	160		90782	
IRGP430U	500	3.0	25	15	100	A	90780	TO-247AC (IG3)
IRGP440U	500	3.0	40	22	160		90779	
IRGP450U	500	3.2	59	33	200		91033	
Co-Pack								
IRGB420UD2	500	2.9	14	7.5	60	B	91066	TO-220AB (IG1)
IRGB430UD2	500	3.0	25	15	100		91067	
IRGP430UD2	500	3.0	25	15	100	B	91063	TO-247AC (IG3)
IRGP440UD2	500	3.0	40	22	160		91064	
IRGP450UD2	500	3.2	59	33	200		91065	
Discrete								
IRGBC20U	600	3.0	13	6.5	60	A	90681	TO-220AB (IG1)
IRGBC30U	600	3.0	23	12	100		90682	
IRGBC40U	600	3.0	40	20	160		90683	
IRGPC20U	600	3.0	13	6.5	60	A	91031	TO-247AC (IG3)
IRGPC30U	600	3.0	23	12	100		91032	
IRGPC40U	600	3.0	40	20	160		90684	
IRGPC50U	600	3.0	55	27	200		90685	
Co-Pack								
IRGBC20UD2	600	3.0	13	6.5	60	B	90687	TO-220AB (IG1)
IRGBC30UD2	600	3.0	23	12	100		90796	
IRGPC30UD2	600	3.0	23	12	100	B	91112	TO-247AC (IG3)
IRGPC40UD2	600	3.0	40	20	160		90808	
IRGPC50UD2	600	3.0	55	27	200		91061	
Module								
CPU165MU	600	2.3	33	17	83	E	50029	IMS-1 (IG4)
CPV362MU	600	2.6	7.2	3.9	23	H	50027	IMS-2 (IG5)
CPV363MU	600	2.4	13	6.8	36		50024	
CPV364MU	600	2.6	20	10	63		50025	
IRGK1115U06	600	2.8	130	70	379	F	90963	INT-A-Pak (IG6)
IRGK1140U06	600	2.7	170	95	500		90964	
IRGNI115U06	600	2.8	130	70	379	G	90971	(IG8)
IRGNI140U06	600	2.7	170	95	500		90972	
IRGT1115U06	600	2.8	130	70	379	E	90955	(IG10)
IRGT1140U06	600	2.7	170	95	500		90956	



(1) See page 105 for Case Outline information

** D2Pak = TO-263 = SMD-220