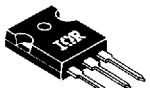


Co-Packs – IGBT's

4855452 0016145 55T INR

Other Products From IR

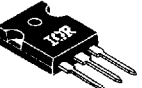
Fast Speed Co-Packs Applications: Motor Controls, UPS's Industrial

Part Number	V(BR)CES Collector to Emitter Breakdown Voltage	VGE(th) Gate to Emitter Threshold Voltage		VCE(on) Collector to Emitter Saturation Voltage	IC Continuous Collector Current		ETS Typ. Total Switching Loss TJ = 150°C VCC = 0.8 BVCES		Case Style
	(V)	Min (V)	Max (V)	Max (V)	TC = 25°C	TC = 100°C	Typ (mJ)	Typ (A)	
					Typ (A)	Typ (A)			
IRGBC20FD2 IRGBC30FD2 IRGBC30FD1	600	3	5.5	2.8 2.1 2.1	16 31 31	9 17 17	1.8 4.0 4.0	9 17 17	TO-220 
IRGPC40FD2 IRGPC40FD1 IRGPC50FD2 IRGPC50FD1 IRGPC50MD2	600	3	5.5	2.0 2.0 1.7 1.7 2.2 typ	49 49 70 70 70	27 27 39 39 39	7.0 7.0 10.0 10.0 10.0	27 27 39 39 39	
IRGPH40MD2 IRGPH50MD2 IRGPH40FD2 IRGPH40FD1 IRGPH50FD2 IRGPH50FD1	1200	3	5.5	TBD 2.8 3.3 3.3 2.9 2.9	26 40 29 29 45 45	14 22 17 17 25 25	11 16 8.3 8.3 13 13	17 25 17 17 25 25	TO-247 

INTERNATIONAL RECTIFIER

65E D

UltraFast Co-Packs Applications: SMPS's, UPS's, HVAC, Motor Controls, Robotics

Part Number	V _(BR) CES Collector to Emitter Breakdown Voltage (V)	V _{GE(th)} Gate to Emitter Threshold Voltage		V _{CE(on)} Collector to Emitter Saturation Voltage Max (V)	I _C Continuous Collector Current		ETS Typ. Total Switching Loss T _J = 150°C V _{CC} = 0.8 BV _{CES}		Case Style
		Min (V)	Max (V)		T _C = 25°C	T _C = 100°C	Typ (mJ)	Typ (A)	
					Typ (A)	Typ (A)			
IRGB420UD2	500	3.0	5.5	3.0	14	7.5	0.35	7.5	TO-220 
IRGP420UD2				3.0	14	7.5	0.35	7.5	TO-247 
IRGP430UD2				3.0	25	15	0.76	15	
IRGP440UD2				3.0	40	22	0.96	22	
IRGP450UD2				TBD	TBD	TBD	TBD	TBD	
IRGBC20UD2	600	3	5.5	3.0	13	6.5	0.55	6.5	TO-220 
IRGBC30UD2				23	12	0.59	12		
IRGBC30UD1				23	12	1.2	12		
IRGPC40UD2	600	3.0	5.5	3.0	40	20	2.2	20	TO-247 
IRGPC40UD1				40	20	2.2	20		
IRGPC50KD2				55	27	3.0	27		
IRGPC50UD2				55	27	2.3	27		
IRGPC50UD1				55	27	2.3	27		