



Discrete IGBTs

Other Products
From IR

UltraFast IGBTs Applications: SMPS's, Motor Controls, Robotics, PF Correction

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		E _{TS} Typ. Total Switching Loss T _J = 150°C V _{CC} = 0.8 V _{CEs}		Case Style
		Min (V)	Max (V)		T _C = 25°C	T _C = 100°C	Typ (mJ)	Typ (A)	
					Typ (A)	Typ (A)			
IRGB410U IRGB420U IRGB430U IRGB440U	500	3	5.5	TBD 3.0 3.0 3.0	TBD 14 25 40	TBD 7.5 15 22	TBD 0.35 0.76 0.96	TBD 7.5 15 22	TO-220 
IRGBC20U IRGBC30U IRGBC40U	600	3	5.5	3.0 3.0 3.0	13 23 40	6.5 12 20	0.35 0.59 1.5	6.5 12 20	
IRGP420U IRGP430U IRGP440U IRGP450U	500	3.0	5.5	3.0 3.0 3.0 TBD	14 25 40 TBD	7.5 15 22 TBD	0.35 0.76 0.96 TBD	7.5 15 22 TBD	TO-247 
IRGPC40U IRGPC50K IRGPC50U	600	3.0	5.5	3.0 2.2 typ 3.0	40 55 55	20 27 27	1.5 3.0 1.7	20 27 27	
IRGPF50U	900	3.0	5.5	TBD	TBD	TBD	TBD	TBD	
IRGPH50U	1200	3.0	5.5	3.9	40	21	3.4	20	

INTERNATIONAL RECTIFIER 65E D