



Control Integrated Circuits

Part Number	V _S Offset Supply Voltage (Volts)	V _{BS} , V _{CC} Supply Voltage (Volts)	I _{OUT} Sink, Source (Amps)	Fax-on-Demand Number	Case Style, (Case Outline) (1)
High and Low Side Drivers					
IR2110E	-4 to 500	10to20	2	—	LCC (P9)
IR2110E6	-4 to 600	10to20	2	—	
IR2110L	-4 to 500	10to20	2	—	MO-036AB (P22)
IR2110L6	-4 to 600	10to20	2	—	

Part Number	V _S Floating Supply Offset (Volts)	V _B Floating Supply (Volts)	V _{CC} Fixed Supply (Volts)	V _O Output Voltage (Volts)	Fax-on-Demand Number	Case Style, (Case Outline) (1)
High and Low Side Driver						
IR2125Z	12 to 18	-5 to 500	12 to 18	V _S +0.1 to V _S -0.1	—	MO-036AA (P21)

Part Number	V _B Floating Supply (Volts)	V _S Floating Supply Offset (Volts)	V _{CC} Fixed Supply (Volts)	Typical I _{OUT} Source / Sink (Volts)	Fax-on-Demand Number	Case Style, (Case Outline) (1)
Three-Phase Driver						
IR2130D	10 to 20	-5 to 600	-10 to 20	250mA / 500mA	—	MO-038AB (P23)

IGBT

Part Number (3)	V(BR)CES (Volts)	V _{GE(th)} (Volts)		I _C @ (Amps)		Typical Loss @ T _J = 125° (mJ)	P _D Max Power Dissipation (Amps)	Fax-on-Demand Number	Case Style, (Case Outline) (1)	
		Min.	Max.	T _C =25°C	T _C =100°C					
Hermetic Packages										
IRGAC30F	600	3.0	5.5	23	12	3.5	12	75	—	TO-204AE ♦ (IG20)
IRGAC30U	600	3.0	5.5	17	8	1.2	8	75	—	
IRGAC40F	600	3.0	5.5	38	20	9.0	20	125	—	
IRGAC40U	600	3.0	5.5	31	15	2.0	15	125	—	
IRGAC50F	600	3.0	5.5	45	30	10	30	150	—	
IRGAC50U	600	3.0	5.5	41	20	2.8	20	150	—	
IRGMC30F	600	3.0	5.5	23	12	3.5	12	75	—	TO-254AA (IG21)
IRGMC30U	600	3.0	5.5	17	8	1.2	8	75	—	
IRGMC40F	600	3.0	5.5	38	20	9.0	20	125	—	
IRGMC40U	600	3.0	5.5	31	15	2.0	15	125	—	
IRGMC50F	600	3.0	5.5	45	30	10	30	150	—	
IRGMC50U	600	3.0	5.5	41	20	2.8	20	150	—	
IRGMVC50U*	600	3.0	5.5	45	27	2.8	27	200	—	TO-258AA (IG22)
IRGVH50F	1200	3.0	5.5	45	25	8.2	25	200	—	
IRGMIC50U*	600	3.0	5.5	45	27	2.8	27	200	—	TO-259AA (IG23)
IRGIH50F	1200	3.0	5.5	45	25	8.2	25	200	—	

(1) See page 105 for Case Outline information

*IGBT co-packaged with UltraFast, soft recovery HEXFRED diode.

♦ TO-204AA/AE devices are not recommended for space-level applications.

