

IGBT-IPM R series (Intelligent Power Modules)

600 volts class/All-silicon IPM

Device type	V _{DC} Max. Volts	Inverter [IGBT]				Brake [IGBT+FWD]				Control			Package	Net mass Grams
		V _{CES} Volts	I _C Cont. Amps.	P _C * Watts	V _{CE(sat)} Max. Volts	V _{CES} Volts	I _C Cont. Amps.	V _{CE(sat)} Max. Volts	I _{F(AV)} Amps.	V _{CC} Typ. Volts	V _{IN(ON)} Typ. Volts	V _{IN(OFF)} Typ. Volts		
6MBP15RH060	450	600	15	40	2.7	-	-	-	-	15	1.35	1.60	P617	50
6MBP20RH060	450	600	20	63	2.7	-	-	-	-	15	1.35	1.60	P617	50
6MBP30RH060	450	600	30	85	2.7	-	-	-	-	15	1.35	1.60	P617	50
6MBP50RA060	450	600	50	198	2.8	-	-	-	-	15	1.35	1.60	P610	440
6MBP75RA060	450	600	75	320	2.8	-	-	-	-	15	1.35	1.60	P610	440
6MBP100RA060	450	600	100	400	2.8	-	-	-	-	15	1.35	1.60	P611	440
6MBP150RA060	450	600	150	600	2.8	-	-	-	-	15	1.35	1.60	P611	440
6MBP200RA060	450	600	200	735	2.8	-	-	-	-	15	1.35	2.05	P612	920
6MBP300RA060	450	600	300	1040	2.8	-	-	-	-	15	1.35	2.05	P612	920
7MBP50RA060	450	600	50	198	2.8	600	30	2.8	30	15	1.35	1.60	P610	440
7MBP75RA060	450	600	75	320	2.8	600	50	2.8	50	15	1.35	1.60	P610	440
7MBP100RA060	450	600	100	400	2.8	600	50	2.8	50	15	1.35	1.60	P611	440
7MBP150RA060	450	600	150	600	2.8	600	50	2.8	50	15	1.35	1.60	P611	440
7MBP200RA060	450	600	200	735	2.8	600	75	2.8	75	15	1.35	2.05	P612	920
7MBP300RA060	450	600	300	1040	2.8	600	100	2.8	100	15	1.35	2.05	P612	920

* One-element

1200 volts class/All-silicon IPM

Device type	V _{DC} Max. Volts	Inverter [IGBT]				Brake [IGBT+FWD]				Control			Package	Net mass Grams
		V _{CES} Volts	I _C Cont. Amps.	P _C * Watts	V _{CE(sat)} Max. Volts	V _{CES} Volts	I _C Cont. Amps.	V _{CE(sat)} Max. Volts	I _{F(AV)} Amps.	V _{CC} Typ. Volts	V _{IN(ON)} Typ. Volts	V _{IN(OFF)} Typ. Volts		
6MBP25RA120	900	1200	25	198	2.6	-	-	-	-	15	1.35	1.60	P610	440
6MBP50RA120	900	1200	50	357	2.6	-	-	-	-	15	1.35	1.60	P611	440
6MBP75RA120	900	1200	75	500	2.6	-	-	-	-	15	1.35	1.60	P611	440
6MBP100RA120	900	1200	100	735	2.6	-	-	-	-	15	1.35	2.05	P612	920
6MBP150RA120	900	1200	150	1040	2.6	-	-	-	-	15	1.35	2.05	P612	920
7MBP25RA120	900	1200	25	198	2.6	1200	15	2.6	15	15	1.35	1.60	P610	440
7MBP50RA120	900	1200	50	357	2.6	1200	25	2.6	25	15	1.35	1.60	P611	440
7MBP75RA120	900	1200	75	500	2.6	1200	25	2.6	25	15	1.35	1.60	P611	440
7MBP100RA120	900	1200	100	735	2.6	1200	50	2.6	50	15	1.35	2.05	P612	920
7MBP150RA120	900	1200	150	1040	2.6	1200	50	2.6	50	15	1.35	2.05	P612	920

* One-element