

IGBT Low Power Modules

EasyPIM™ Power Integrated Modules

Single Phase 600 V _{CES}		IGBT Inverter							Rectifier Diodes			Brake Chopper			Outline / page
Type	V _{CE} V	I _C [*] A	I _C A	V _{CEsat} V	R _{thJH} K/W	R _{thJC} K/W	Eon + Eoff mJ	V _{RRM} V	I _d A	R _{thJC} K/W	V _{CE} V	I _C [*] A	R _{thJC} K/W	Outline / page	
		T _C = 80 °C	T _C = 25 °C	T _{vj} = 25 °C	typ.	max.	T _{vj} = 125 °C					T _C = 80 °C	max.		
	IGBT ³														
	FB6R06VE3	600	6	11	1,55	4,90	3,90	0,30	800	10	2,10			L_750a/89	
	FB10R06VE3	600	10	16	1,55	4,10	3,10	0,67	800	10	2,10			L_750a/89	
	FB15R06VE3	600	15	20	1,55	3,50	2,60	1,05	800	10	2,10			L_750a/89	
	IGBT ²														
	■ FB10R06KL4	600	10	16	1,95	2,20	1,80	0,80	800	10	1,95			L_1a/90	
	IGBT ³														
	FB10R06XE3	600	10	16	1,55	3,40	2,90	0,50	800	10	1,60			L_1a/90	
	FB15R06XE3	600	15	22	1,55	2,70	2,10	0,76	800	15	1,60			L_1a/90	
	FB20R06XE3	600	20	27	1,55	2,35	1,95	1,00	800	20	1,60			L_1a/90	
	IGBT ²														
	■ FB10R06KL4G	600	10	16	1,95	2,20	1,80	0,80	800	10	1,60			L_2a/92	
	■ FB15R06KL4	600	15	19	1,95	2,40	2,00	1,00	800	15	1,00			L_2b/92	
	■ FB20R06KL4	600	20	25	1,95	1,80	1,60	1,29	800	20	1,00			L_2b/92	
	IGBT ³														
	FB10R06YE3	600	10	16	1,55	3,40	2,90	0,50	800	10	1,60			L_2a/92	
	FB15R06YE3	600	15	22	1,55	2,70	2,10	0,70	800	15	1,20			L_2b/92	
	FB20R06YE3	600	20	27	1,55	2,35	1,95	1,00	800	20	1,20			L_2b/92	
	IGBT ²														
	FB10R06KL4G_B1	600	10	15	1,95	2,80	2,20	0,80	800	10	2,40	600	10	2,20	L_2c/92
	FB15R06KL4_B1	600	15	19	1,95	2,40	2,00	1,00	800	15	1,00	600	15	2,00	L_2d/93
	FB20R06KL4_B1	600	20	25	1,95	1,80	1,60	1,30	800	20	1,00	600	20	1,60	L_2d/93
	IGBT ³														
	FB20R06YE3_B1	600	20	27	1,55	2,35	1,95	1,00	800	20	1,20	600	20	1,95	L_2d/93

■ Not for new design ♦ New type *as specified in data sheet

Mounting Hardware see page 125.