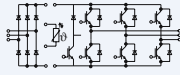
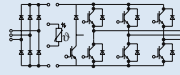


# IGBT Low Power Modules

## EconoPIM™ Power Integrated Modules

600 V <sub>CES</sub>													Outline / page
Type		IGBT Inverter				Rectifier Diodes				Brake Chopper			Outline / page
V <sub>CES</sub> V	I <sub>C</sub> A	R <sub>thJC</sub> K/W	V <sub>CESat</sub> V T <sub>vj</sub> = 25°C	V <sub>RRM</sub> V	I <sub>FRMSM</sub> A T <sub>C</sub> = 80°C	R <sub>thJC</sub> K/W	V <sub>f</sub> V T <sub>vj</sub> = 150°C	V <sub>CES</sub> V	I <sub>C,IGBT</sub> A T <sub>C</sub> = 80°C	R <sub>thJC</sub> K/W			
	IGBT <sup>2</sup> Standard												
	■ BSM10GP60	600	10	1,50	1,95	1600	40	1,00	0,90	600	10,0	1,50	M_E2a/95
	■ BSM15GP60	600	15	1,30	1,95	1600	40	1,00	0,95	600	10,0	1,50	M_E2a/95
	■ BSM20GP60	600	20	1,00	1,95	1600	40	1,00	1,00	600	10,0	1,50	M_E2a/95
	■ BSM30GP60	600	30	0,70	1,95	1600	40	1,00	1,10	600	15,0	1,30	M_E2a/95
	■ BSM50GP60	600	50	0,50	1,95	1600	40	1,00	1,30	600	25,0	1,00	M_E2a/95
	■ BSM50GP60G	600	50	0,50	1,95	1600	40	1,00	1,30	600	25,0	1,00	M_E3a/95
	■ BSM75GP60	600	75	0,40	1,95	1600	60	0,65	1,15	600	37,5	0,70	M_E3a/95
	■ BSM100GP60	600	100	0,30	1,95	1600	80	0,50	1,16	600	50,0	0,50	M_E3a/95
	IGBT <sup>3</sup>												
	FP30R06KE3	600	30	1,20	1,55	1600	60	0,85	0,90	600	30,0	1,20	M_E2a/95
	FP50R06KE3	600	50	0,80	1,45	1600	70	0,85	1,05	600	30,0	1,20	M_E2a/95
	FP50R06KE3G	600	50	0,80	1,45	1600	80	0,65	1,00	600	50,0	0,80	M_E3a/95
FP75R06KE3	600	75	0,60	1,45	1600	100	0,50	1,05	600	50,0	0,80	M_E3a/95	
FP100R06KE3	600	100	0,45	1,45	1600	100	0,50	1,10	600	50,0	0,80	M_E3a/95	

## EconoPIM™ Power Integrated Modules

1200 V <sub>CES</sub>													Outline / page
Type		IGBT Inverter				Rectifier Diodes				Brake Chopper			Outline / page
V <sub>CES</sub> V	I <sub>C</sub> A	R <sub>thJC</sub> K/W	V <sub>CESat</sub> V T <sub>vj</sub> = 25°C	V <sub>RRM</sub> V	I <sub>d</sub> A T <sub>C</sub> = 80°C	R <sub>thJC</sub> K/W	V <sub>f</sub> V T <sub>vj</sub> = 150°C	V <sub>CES</sub> V	I <sub>C,IGBT</sub> A T <sub>C</sub> = 80°C	R <sub>thJC</sub> K/W			
	IGBT <sup>2</sup> Standard												
	■ BSM10GP120	1200	10	1,20	2,40	1600	40	1,00	0,90	1200	10,00	1,20	M_E2a/95
	■ BSM15GP120	1200	15	0,70	2,20	1600	40	1,00	0,95	1200	10,00	1,20	M_E2a/95
	■ BSM25GP120	1200	25	0,55	2,10	1600	40	1,00	1,05	1200	12,50	1,20	M_E2a/95
	■ BSM35GP120	1200	35	0,55	2,40	1600	40	1,00	1,15	1200	17,50	0,70	M_E2a/95
	■ BSM35GP120G	1200	35	0,55	2,40	1600	40	1,00	1,15	1200	17,50	0,70	M_E3a/95
	■ BSM50GP120	1200	50	0,35	2,20	1600	40	0,65	1,05	1200	25,00	0,55	M_E3a/95

■ Not for new design