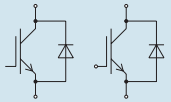
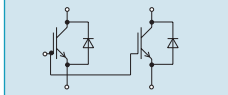
IGBT High Power Modules

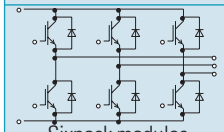
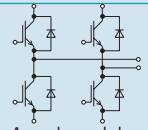
1200 V_{CES}

Click on outline no.

	Type *)	V_{CES} V	Ic A	V_{CEsat} V T_{vj}=25°C typ.	E_{on} / E_{off} mWs T_{vj}=125°C typ.	R_{thJC} °C / W per arm	outline / page
 Dual modules	Standard 2. Generation						
	FF400R12KF4	1200	400	2,7	70 / 60	0,046	IH2/61
	FF600R12KF4	1200	600	2,7	90 / 90	0,032	IH2/61
	FF800R12KF4	1200	800	2,7	130 / 120	0,025	IH2/61
	Low Loss 2. Generation						
	FF400R12KL4C	1200	400	2,1	72 / 58	0,044	IH2/61
	FF600R12KL4C	1200	600	2,1	100 / 90	0,032	IH2/61
	FF800R12KL4C	1200	800	2,1	120 / 130	0,025	IH2/61
	IGBT3						
	◆ FF600R12KE3	1200	600				IH2/61
	◆ FF800R12KE3	1200	800				IH2/61
	◆ FF1200R12KE3	1200	1200				IH2/61
IH1 / 4  IH7 Single modules	Short Tail						
	FZ800R12KS4	1200	800	3,0	76 / 64	0,018	IH4/61
	Standard 2. Generation						
	FZ800R12KF4	1200	800	2,7	130 / 120	0,023	IH1/61
	FZ1050R12KF4	1200	1050	2,7	150 / 170	0,018	IH1/61
	FZ1200R12KF4	1200	1200	2,7	170 / 190	0,016	IH1/61
	FZ1600R12KF4	1200	1600	2,7	220 / 290	0,0125	IH1/61
	FZ1800R12KF4	1200	1800	2,7	250 / 330	0,011	IH7/62
	FZ2400R12KF4	1200	2400	2,7	310 / 410	0,0084	IH7/62
	Low Loss 2. Generation						
	FZ800R12KL4C	1200	800	2,1	121 / 127	0,022	IH1/61
	FZ1200R12KL4C	1200	1200	2,1	165 / 195	0,016	IH1/61
	FZ1600R12KL4C	1200	1600	2,1	210 / 260	0,0125	IH1/61
	FZ1800R12KL4C	1200	1800	2,1	230 / 295	0,0110	IH7/61
	FZ2400R12KL4C	1200	2400	2,1	320 / 400	0,0084	IH7/62
	IGBT3						
	◆ FZ1200R12KE3	1200	1200				IH4/61
	◆ FZ1600R12KE3	1200	1600				IH4/61
	◆ FZ2400R12KE3	1200	2400				IH4/61
	◆ FZ3600R12KE3	1200	3600				IH7/62

1200 V_{CES}

Click on outline no.

	Type *)	V_{CES} V	Ic A	V_{CEsat} V T_{vj}=25°C typ.	E_{on} / E_{off} mWs T_{vj}=125°C typ.	R_{thJC} °C/W per arm	outline / Page
 Sixpack modules							
	Standard 2. Generation						
	FS300R12KF4	1200	300	2,7	80/45	0,064	IH8/62
	FS400R12KF4	1200	400	2,7	100/55	0,048	IH8/62
 Chopper modules	Standard 2. Generation						
	FD400R12KF4	1200	400	2,7	70/60	0,046	IH2/61
	◆ FD600R12KF4	1200	600	2,7	90/90	0,032	IH2/61
 4-pack modules	Standard 2. Generation						
	F4-300R12KF4	1200	300	2,7	80/45	0,064	IH5/61
	F4-400R12KF4	1200	400	2,7	100/55	0,050	IH5/61
	Short Tail						
	F4-400R12KS4_B2	1200	400	3,0	38/32	0,042	IH5/61

◆ New type

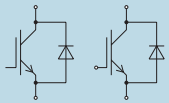
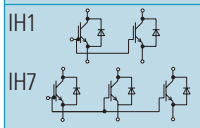
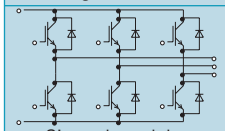
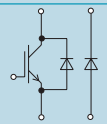
■ Not for new design

*) valid for all part-no:
T_{vj} = 125°C, I_{FRM} = 2xI_F

IGBT High Power Modules

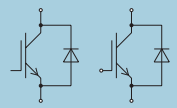
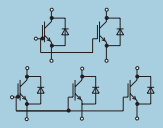
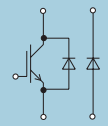
1600 V_{CES}

Click on outline no.

Type *)		V_{CES} V	Ic A	V_{CEsat} V T_{vj}=25°C typ.	E_{on} / E_{off} mWs T_{vj}=125°C typ.	R_{thJC} °C / W per arm	outline / page
 Dual modules							
	Standard 2. Generation						
	FF400R16KF4	1600	400	3,3	170 / 90	0,04	IH2/61
	FF600R16KF4	1600	600	3,5	240 / 140	0,032	IH2/61
IH1 IH7  Single modules							
	Standard 2. Generation						
	FZ800R16KF4	1600	800	3,3	340 / 180	0,02	IH1/61
	FZ1200R16KF4	1600	1200	3,5	490 / 290	0,016	IH1/61
	FZ1800R16KF4	1600	1800	3,5	750 / 450	0,011	IH7/62
 Six pack modules							
	Standard 2. Generation						
	FS300R16KF4	1600	300	3,5	120 / 70	0,064	IH8/62
 Chopper modules							
	Standard 2. Generation						
	FD400R16KF4	1600	400	3,3	170 / 90	0,04	IH2/61
	FD600R16KF4	1600	600	3,5	240 / 140	0,032	IH2/61

1700 V_{CES}

Click on outline no.

Type *)		V_{CES} V	Ic A	V_{CEsat} V T_{vj}=25°C typ.	E_{on} / E_{off} mWs T_{vj}=125°C typ.	R_{thJC} °C / W per arm	outline / page
 Dual modules	Low Loss						
	◆ FF400R17KF6C_B2	1700	400	2,7	180 / 150	0,016	IH2/61
	◆ FF401R17KF6C_B2	1700	400	2,7	200 / 150	0,04	IH9/62
	FF600R17KF6_B2	1700	600	2,7	270 / 220	0,026	IH2/61
	FF800R17KF6C_B2	1700	800	2,7	290 / 335	0,02	IH2/61
IH1 IH7  Single modules	Low Loss						
	FZ800R17KF6C_B2	1700	800	2,7	300 / 325	0,02	IH1/61
	FZ1200R17KF6_B2	1700	1200	2,7	330 / 480	0,013	IH1/61
	FZ1200R17KF6C_B2	1700	1200	2,7	330 / 480	0,013	IH1/61
	FZ1600R17KF6_B2	1700	1600	2,7	430 / 670	0,01	IH1/61
	◆ FZ1600R17KF6C_B2	1700	1600	2,7	430 / 670	0,01	IH1/61
	FZ1800R17KF6_B2	1700	1800	2,7	570 / 725	0,009	IH7/62
	◆ FZ2400R17KF6C_B2	1700	2400	2,7	750 / 1060	0,007	IH7/62
 Chopper modules	Low Loss						
	◆ FD401R17KF6C_B2	1700	400	2,7	200 / 150	0,04	IH9/62
	FD600R17KF6_B2	1700	600	2,7	270 / 220	0,026	IH2/61
	FD600 / 1200R17KF6	1700	600	2,7	270 / 220	0,026	IH2/61
	FD800R17KF6_B2	1700	800	2,7	365 / 335	0,02	IH2/61
	◆ FD600R17KF6C_B2	1700	600	2,7	270 / 220	0,016	IH2/61

◆ New type

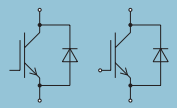
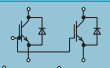
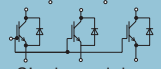
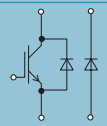
■ Not for new design

*) valid for all part-no:
T_{vj} = 125°C, I_{FRM} = 2xI_F

IGBT High Power Modules

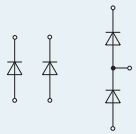
2500+3300 V_{CES}

Click on outline no.

	Type *)	V_{CES} V	Ic A	V_{CEsat} V V T_{vj}=25°C typ.	E_{on} / E_{off} mWs T_{vj}=125°C typ.	R_{thJC} °C / W per arm	outline / page
 Dual modules							
	Standard						
	FF200R33KF2	3300	200	3,4	480 / 255	0,057	IH9/62
	FF400R33KF2	3300	400	3,4	960 / 510	0,026	IH6/62
	FF500R25KF1	2500	500	3	650 / 500	0,024	IH6/62
IH4  IH7  Single modules	Standard						
	FZ800R33KF2	3300	800	3,4	1920 / 1020	0,013	IH4/61
	FZ1000R25KF1	2500	1000	3	1300 / 1000	0,012	IH4/61
	FZ1200R33KF2	3300	1200	3,4	2880 / 1530	0,0085	IH7/62
	FZ1500R25KF1	2500	1500	3	1900 / 1500	0,008	IH7/62
 Chopper modules							
	Standard						
	FD400R33KF2	3300	400	3,4	960 / 510	0,026	IH4/61
	FD800R33KF2	3300	800	3,4	1920 / 1020	0,013	IH7/62

Diodes Modules

Click on outline no.

	Type *)	V_{RRM} V	I_F A	I_R mA typ.	Q_r µAs typ.	R_{thJC} °C / W per arm	outline / page
 Diode Modules	DD400S16K4	1600	400	15	40	0,1	IH1/61
	DD600S16K4	1600	600	40	60	0,08	IH1/61
	◆ DD400S17K6_B2	1700	400	10	115	0,07	IH1/61
	◆ DD400S17K6C_B2	1700	400	5	145	0,016	IH1/61
	◆ DD401S17K6C_B2	1700	400	10	160	0,07	IH9/62
	DD600S17K6_B2	1700	600	8	170	0,05	IH1/61
	DD900S17K6_B2	1700	900	10	230	0,034	IH1/61
	◆ DD200S33K2	3300	200	1	220	0,108	IH9/62
	DD400S33K2	3300	400	2	440	0,051	IH4/61
	DD800S33K2	3300	800	4	900	0,025	IH4/61
	DD1200S33K2	3300	1200	6	1320	0,017	IH4/61

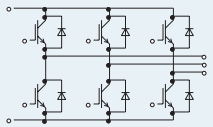
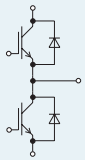
◆ New type
■ Not for new design

*) valid for all part-no:
T_{vj} = 125°C, I_{FRM} = 2xI_F

IGBT Standard Modules

600 V – Type

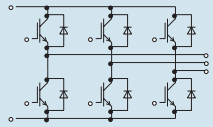
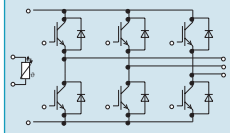
Click on outline no.

Type		V_{CES} V	I_C A	V_{CEsat} V T_{vj}=25°C	P_{tot} W	R_{thJC} K / W ≤ per arm	outline / page
 3-Phase-Full-Bridges	Standard						
	BSM20GD60DLC	600	20	1,95	125	1,6	IS2/63
	BSM20GD60DLCE3224	600	20	1,95	125	1,6	IS3/63
	BSM30GD60DLC	600	30	1,95	135	1,2	IS2/63
	BSM30GD60DLCE3224	600	30	1,95	135	1,2	IS3/63
	BSM50GD60DLC	600	50	1,95	250	0,6	IS3/63
	BSM50GD60DLCE3226	600	50	1,95	250	0,6	IS2/63
	BSM75GD60DLC	600	75	1,95	330	0,44	IS3/63
	BSM100GD60DLC	600	100	1,95	430	0,35	IS8/64
	BSM150GD60DLC	600	150	1,95	570	0,24	IS8/64
	BSM200GD60DLC	600	200	1,95	700	0,18	IS8/64
 Half-Bridges	Standard						
	BSM50GB60DLC	600	50	1,95	280	0,6	IS4/63
	BSM75GB60DLC	600	75	1,95	355	0,44	IS4/63
	BSM100GB60DLC	600	100	1,95	445	0,35	IS4/63
	BSM150GB60DLC	600	150	1,95	595	0,24	IS4/63
	BSM200GB60DLC	600	200	1,95	730	0,18	IS4/63
	BSM300GB60DLC	600	300	1,95	1250	0,12	IS5a/63

◆ New type
■ Not for new design

1200 V – Type

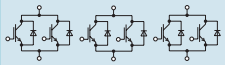
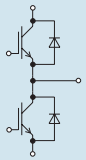
Click on outline no.

Type		V_{CES} V	I_C A	V_{CEsat} V T_{vj}=25°C	P_{tot} W	R_{thJC} K / W ≤ per arm	outline / page
	Standard 2. Generation						
	BSM10GD120DN2	1200	10	2,7	80	1,52	IS2/63
	BSM10GD120DN2E3224	1200	10	2,7	80	1,52	IS3/63
	BSM15GD120DN2	1200	15	2,5	145	0,86	IS2/63
	BSM15GD120DN2E3224	1200	15	2,5	145	0,86	IS3/63
	BSM25GD120DN2	1200	25	2,5	200	0,6	IS2/63
	BSM25GD120DN2E3224	1200	25	2,5	200	0,6	IS3/63
	BSM35GD120DN2	1200	35	2,7	280	0,44	IS2/63
	BSM35GD120DN2E3224	1200	35	2,7	280	0,44	IS3/63
	BSM50GD120DN2	1200	50	2,5	350	0,35	IS3/63
	BSM50GD120DN2E3226	1200	50	2,5	350	0,35	IS2/63
	BSM50GD120DN2G	1200	50	2,5	400	0,35	IS8/64
	BSM75GD120DN2	1200	75	2,5	520	0,239	IS8/64
	BSM100GD120DN2	1200	100	2,5	680	0,182	IS8/64
	Low Loss 2. Generation						
	BSM15GD120DLCE3224	1200	15	2,1	145	0,96	IS3/63
	BSM25GD120DLCE3224	1200	25	2,1	200	0,6	IS3/63
	BSM35GD120DLCE3224	1200	35	2,1	280	0,44	IS3/63
	BSM50GD120DLC	1200	50	2,1	350	0,35	IS3/63
	BSM75GD120DLC	1200	75	2,1	500	0,24	IS8/64
	BSM100GD120DLC	1200	100	2,1	650	0,182	IS8/64
 3-Phase-Full-Bridges	IGBT3						
	◆FS25R12KE3G	1200	25	1,7	150	0,8	IS3a/63
	◆FS35R12KE3	1200	35	1,7	200	0,60	IS3a/63
	◆FS50R12KE3	1200	50	1,7	270	0,45	IS3a/63
	◆FS75R12KE3	1200	75	1,7	350	0,35	IS3a/63
	◆FS75R12KE3G	1200	75	1,7	350	0,35	IS8a/64
	◆FS100R12KE3	1200	100	1,7	500	0,25	IS8a/64
	◆FS150R12KE3	1200	150	1,7	650	0,19	IS8a/64
	Short Tail						
	FS75R12KS4	1200	75	3,0	500	0,25	IS8/64
	FS100R12KS4	1200	100	3,0	610	0,19	IS8/64

IGBT Standard Modules

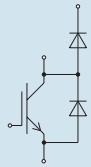
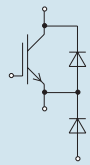
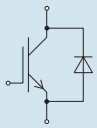
1200 V – Type

Click on outline no.

	Type	V_{CES} V	I_C A	V_{CEsat} V T_{vj}=25°C	P_{tot} W	R_{thJC} K / W ≤ per arm	outline / page
 Tripack	Standard 2. Generation						
	BSM100GT120DN2	1200	100	2,5	680	0,182	IS9/64
	BSM150GT120DN2	1200	150	2,5	1250	0,12	IS9/64
	BSM200GT120DN2	1200	200	2,1	1400	0,09	IS9/64
	Low Loss 2. Generation						
	BSM150GT120DLC	1200	150	2,1	1000	0,125	IS9/64
	BSM200GT120DLC	1200	200	2,1	1300	0,095	IS9/64
 Half-Bridges	Standard 2. Generation						
	BSM25GB120DN2	1200	25	2,5	200	0,6	IS4/63
	BSM35GB120DN2	1200	35	2,7	280	0,44	IS4/63
	BSM50GB120DN2	1200	50	2,5	400	0,3	IS4/63
	BSM75GB120DN2	1200	75	2,5	625	0,2	IS4/63
	BSM100GB120DN2K	1200	100	2,5	700	0,18	IS4/63
	BSM100GB120DN2	1200	100	2,5	800	0,16	IS5a/63
	BSM150GB120DN2	1200	150	2,5	1250	0,1	IS5a/63
	BSM200GB120DN2	1200	200	2,5	1400	0,09	IS5a/63
	Low Loss 2. Generation						
	BSM35GB120DLC	1200	35	2,1	340	0,44	IS4/63
	BSM50GB120DLC	1200	50	2,1	460	0,35	IS4/63
	BSM75GB120DLC	1200	75	2,1	690	0,24	IS4/63
	BSM100GB120DLCK	1200	100	2,1	830	0,18	IS4/63
	BSM100GB120DLC	1200	100	2,5	780	0,16	IS5a/63
	BSM150GB120DLC	1200	150	2,1	1200	0,1	IS5a/63
	BSM200GB120DLC	1200	200	2,1	1300	0,09	IS5a/63
	BSM300GB120DLC	1200	300	2,1	2500	0,05	IS5a/63
	IGBT3						
	◆FF150R12KE3G	1200	150				
	◆FF200R12KE3	1200	200	1,7	1040	0,12	IS5a/63
	◆FF300R12KE3	1200	300	1,7	1470	0,085	IS5a/63
	Short Tail						
	FF100R12KS4	1200	100	3,0	780	0,16	IS5a/63
	FF150R12KS4	1200	150	3,0	1200	0,1	IS5a/63
	FF200R12KS4	1200	200	3,0	1400	0,09	IS5a/63

1200 V – Type

Click on outline no.

	Type	V_{CES} V	I_C A	V_{CEsat} V T_{vj}=25°C	P_{tot} W	R_{thJC} K / W ≤ per arm	outline / page
 GAL Chopper	Standard 2. Generation						
	BSM25GAL120DN2	1200	25	2,5	200	0,6	IS4/63
	BSM50GAL120DN2	1200	50	2,5	400	0,3	IS4/63
	BSM75GAL120DN2	1200	75	2,5	625	0,2	IS4/63
	BSM100GAL120DN2	1200	100	2,5	800	0,16	IS5/63
	BSM150GAL120DN2	1200	150	2,5	1250	0,1	IS5/63
	BSM200GAL120DN2	1200	200	2,5	1400	0,09	IS5/63
	Low Loss 2. Generation						
	BSM100GAL120DLCK	1200	100	2,1	830	0,15	IS4/63
	BSM150GAL120DLC	1200	150	2,1	1200	0,1	IS5/63
	BSM200GAL120DLC	1200	200	2,1	1300	0,09	IS5/63
	BSM300GAL120DLC	1200	300	2,1	2500	0,05	IS5/63
	IGBT3						
	◆FD200R12KE3	1200	200	1,7	1040	0,12	IS5a/63
	◆FD300R12KE3	1200	300	1,7	1470	0,085	IS5a/63
 GAR Chopper	Standard 2. Generation						
	BSM75GAR120DN2	1200	75	2,5	625	0,2	IS4/63
	BSM100GAR120DN2	1200	100	2,5	800	0,16	IS5/63
	BSM150GAR120DN2	1200	150	2,5	1250	0,1	IS5/63
	BSM200GAR120DN2	1200	200	2,5	1400	0,09	IS5/63
	Low Loss 2. Generation						
	BSM300GAR120DLC	1200	300	2,1	2500	0,05	IS5/63
	IGBT3						
	◆DF200R12KE3	1200	200	1,7	1040	0,12	IS5a/63
	◆DF300R12KE3	1200	300	1,7	1470	0,085	IS5a/63
 Single Switches	Standard 2. Generation						
	BSM200GA120DN2	1200	200	2,5	1550	0,08	IS6/63
	BSM200GA120DN2S	1200	200	2,5	1550	0,08	IS10/64
	BSM300GA120DN2	1200	300	2,5	2500	0,05	IS6/63
	BSM300GA120DN2S	1200	300	2,5	2500	0,05	IS10/64
	BSM300GA120DN2E3166	1200	300	2,5	2500	0,05	IS6/63
	BSM400GA120DN2	1200	400	2,5	2700	0,045	IS6/63
	BSM400GA120DN2S	1200	400	2,5	2700	0,045	IS10/64

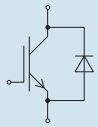
◆ New type

■ Not for new design

IGBT Standard Modules

1200 V – Type

Click on outline no.

	Type	V_{CES} V	I_C A	V_{CEsat} V T_{vj}=25°C	P_{tot} W	R_{thJC} K/W ≤ per arm	outline / page
 Single Switches	Low Loss 2. Generation						
	BSM200GA120DLC	1200	200	2,1	1470	0,09	IS6/64
	BSM200GA120DLCS	1200	200	2,1	1470	0,09	IS10/64
	BSM300GA120DLC	1200	300	2,1	2270	0,055	IS6/63
	BSM300GA120DLCS	1200	300	2,1	2270	0,055	IS10/64
	BSM400GA120DLC	1200	400	2,1	2500	0,05	IS6/63
	BSM400GA120DLCS	1200	400	2,1	2500	0,05	IS10/64
	IGBT3						
	◆FZ300R12KE3G	1200	300				
	◆FZ300R12KE3GS	1200	300				
	◆FZ400R12KE3	1200	400	1,7	2250	0,050	IS6a/63
	◆FZ400R12KE3S	1200	400	1,7	2250	0,055	IS10a/64
	◆FZ600R12KE3	1200	600	1,7	2500	0,05	IS6a/63
	◆FZ600R12KE3S	1200	600	1,7	2500	0,05	IS10a/64
	Short Tail						
	FZ400R12KS4	1200	400	3,0	2500	0,05	IS6a/63

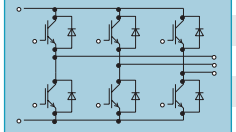
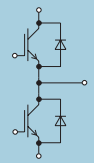
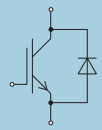
Single Diodes

Click on outline no.

	Type	V_{CES} V	I_C A	V_F V	P_D W	R_{thJC} K/W ≤	outline / page
 Single Diodes							
	■ BYM 300 A 120 DN 2	1200	300	2,3	1000	0,125	IS11/64
	■ BYM 300 A 170 DN2	1700	250	2,3	830	0,150	IS11/64
	■ BYM 600 A 170 DN 2	1700	400	2,0	1400	0,090	IS11/64

1700 V – Type

Click on outline no.

	Type	V_{CES} V	I_C A	V_{CEsat} V T_{vj}=25°C	P_{tot} W	R_{thJC} K/W ≤ per arm	outline / page
 3-Phase-Full-Bridges							
	Low Loss						
	n BSM50GD170DL	1700	50	2,7	480	0,27	IS8/64
	n BSM75GD170DL	1700	75	2,7	625	0,20	IS8/64
 Tripack							
	Low Loss						
	■ BSM100GT170DL	1700	100	2,7	960	0,13	IS9/64
	■ BSM150GT170DL	1700	150	2,7	1250	0,10	IS9/64
 Half-Bridges	Standard						
	BSM50GB170DN2	1700	50	3,4	500	0,25	IS4/63
	BSM75GB170DN2	1700	75	3,4	625	0,20	IS4/63
	■ BSM100GB170DN2	1700	100	3,4	1000	0,13	IS5/63
	■ BSM150GB170DN2	1700	150	3,4	1250	0,10	IS5/63
	Low Loss						
	BSM100GB170DLC	1700	100	2,7	960	0,13	IS5a/63
	BSM150GB170DLC	1700	150	2,7	1250	0,10	IS5a/63
	BSM200GB170DLC	1700	200	2,7	1660	0,075	IS5a/63
 Single Switches	Standard						
	■ BSM200GA170DN2	1700	200	3,4	1750	0,070	IS6/63
	■ BSM200GA170DN2S	1700	200	3,4	1750	0,070	IS10/64
	■ BSM300GA170DN2	1700	300	3,4	2500	0,050	IS6/63
	■ BSM300GA170DN2S	1700	300	3,4	2500	0,050	IS10/64
	Low Loss						
	BSM200GA170DLC	1700	200	2,7	1920	0,065	IS6a/63
	BSM300GA170DLC	1700	300	2,7	2500	0,050	IS6a/63
	BSM400GA170DLC	1700	400	2,7	3120	0,040	IS6a/63

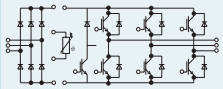
◆ New type

■ Not for new design

Power Integrated Modules PIM

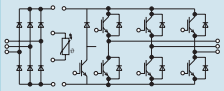
600 V_{CES}

Click on outline no.

Type	IGBT Inverter				Rectifier Diodes					Brake Chopper			Outline / page
	V_{CES} V $T_C = 80°C$	I_C A	R_{thJC} K/W	V_{CEsat} V $T_{vj} = 125°C$	V_{RRM} V	I_d A $T_C = 80°C$	R_{thJC} K/W	V_{to} V $T_{vj} = 150°C$	r_T mΩ $T_{vj} = 150°C$	V_{CES} V	$I_{C,IGBT}$ A $T_c = 80°C$	R_{thJC} K/W	
													
BSM10GP60	600	10	1,5	2,2	1600	10	1,80	0,8	10,5	600	10	1,5	IS12/65
BSM15GP60	600	15	1,3	2,2	1600	15	1,20	0,8	10,5	600	10	1,5	IS12/65
BSM20GP60	600	20	1,0	2,2	1600	20	1,20	0,8	10,5	600	10	1,5	IS12/65
BSM30GP60	600	30	0,7	2,2	1600	30	1,20	0,8	10,5	600	15	1,3	IS12/65
BSM50GP60	600	50	0,5	2,2	1600	50	1,00	0,8	10,5	600	25	1,0	IS12/65
BSM50GP60G	600	50	0,5	2,2	1600	50	1,00	0,8	10,5	600	25	1,0	IS13/65
BSM75GP60	600	75	0,4	2,2	1600	75	0,65	0,8	6,5	600	37,5	0,7	IS13/65
BSM100GP60	600	100	0,3	2,2	1600	100	0,50	0,8	4,8	600	50	0,5	IS13/65

1200 V_{CES}

Click on outline no.

Type	IGBT Inverter				Rectifier Diodes					Brake Chopper			Outline / page
	V_{CES} V $T_C = 80°C$	I_C A	R_{thJC} K/W	V_{cesat} V $T_{vj} = 125°C$	V_{RRM} V	I_d A $T_C = 80°C$	R_{thJC} K/W $T_{vj} = 150°C$	V_{to} V $T_{vj} = 150°C$	r_T mΩ	V_{CES} V $T_c = 80°C$	$I_{C,IGBT}$ A	R_{thJC} K/W	
													
BSM10GP120	1200	10	1,20	2,75	1600	10	1,80	0,8	10,5	1200	10,0	1,2	IS12/65
BSM15GP120	1200	15	0,70	2,50	1600	15	1,20	0,8	10,5	1200	10,0	1,2	IS12/65
BSM25GP120	1200	25	0,55	2,45	1600	25	1,20	0,8	10,5	1200	12,5	1,2	IS12/65
BSM35GP120	1200	35	0,55	2,90	1600	35	1,00	0,8	10,5	1200	17,5	0,7	IS12/65
BSM35GP120G	1200	35	0,55	2,90	1600	35	1,00	0,8	10,5	1200	17,5	0,7	IS13/65
BSM50GP120	1200	50	0,35	2,50	1600	50	0,65	0,8	6,5	1200	25,0	0,55	IS13/65
Short Tail													
FP15R12KS4C	1200	15	0,70	3,60	1600	15	1,00	0,8	10,5	1200	10,0	1,2	IS12/65
FP25R12KS4C	1200	25	0,55	3,60	1600	25	1,00	0,8	10,5	1200	12,5	1,2	IS12/65
FP35R12KS4CG	1200	35	0,55	4,25	1600	35	1,00	0,8	10,5	1200	17,5	0,7	IS13/65
FP50R12KS4C	1200	50	0,35	3,60	1600	50	0,65	0,8	6,5	1200	25,0	0,55	IS13/65
IGBT3													
◆ FP15R12KE3G	1200	15											IS12/65
◆ FP25R12KE3	1200	25	0,80	2,00	1600	25	1,00	0,8	10,5	1200	15,0	1,2	IS12/65
◆ FP40R12KE3	1200	40	0,60	2,15	1600	40	1,00	0,8	10,5	1200	15,0	1,2	IS12/65
◆ FP40R12KE3G	1200	40	0,60	2,15	1600	40	1,00	0,8	10,5	1200	40,0	0,6	IS13/65
◆ FP50R12KE3	1200	50	0,45	2,00	1600	50	0,65	0,8	6,5	1200	40,0	0,6	IS13/65
◆ FP75R12KE3	1200	75	0,35	2,00	1600	75	0,65	0,8	6,5	1200	40,0	0,6	IS13/65

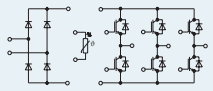
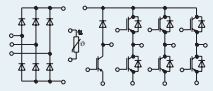
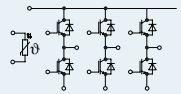
◆ New type

■ Not for new design

Easy PIM / PACK

all Data are preliminary

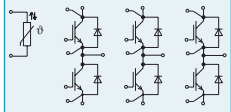
Click on outline no.

	Type	IGBT Inverter				Rectifier Diodes					Brake Chopper			Outline / page
		V_{CES} V $T_C = 80°C$	I_C A	R_{thJC} K / W	V_{CEsat} V 125°C typ.	V_{RRM} V	I_d A $T_C = 80°C$	R_{thJC} K / W	V_{to} V $T_{vj} = 150°C$	r_T mΩ	V_{CES} V	$I_{C,IGBT}$ A $T_c = 80°C$	R_{thJC} K / W	
 Easy PIM1	Low Loss 2. Generation													
	◆ FB10R06KL4	600	10	on request	on request	800	10	on request	on request	on request				IS15/67
	◆ FP10R06KL4	600	10	on request	on request	800	10	on request	on request	on request	600	10	on request	IS16/67
	◆ FP15R06KL4	600	15	on request	on request	800	15	on request	on request	on request	600	15	on request	IS16/67
	◆ FP20R06KL4	600	20	on request	on request	800	20	on request	on request	on request	600	20	on request	IS16/67
 EasyPIM2	◆ FS10R06KL4	600	10	on request	on request									on request
	◆ FS15R06KL4	600	15	on request	on request									on request
	◆ FS20R06KL4	600	20	on request	on request									on request
 Easy PACK	IGBT3													
	◆ FP10R12KE3	1200	10	on request	on request	1600	10	on request	on request	on request	1200	10	on request	IS16/67
	◆ FP15R12KE3	1200	15	on request	on request	1600	15	on request	on request	on request	1200	15	on request	IS16/67
	◆ FS10R12KE3	1200	10	on request	on request									on request
	◆ FS15R12KE3	1200	15	on request	on request									on request
	◆ FS25R12KE3	1200	25	on request	on request									on request

EconoPACK +

all Data are preliminary

Click on outline no.

	Type	V_{CES} V	I_C A	V_{CEsat} 25 °C typ.	P_{tot} W	R_{thJC} K / W	outline / page
	IGBT3						
	◆ FS150R12KE3G	1200	150	1,7	740	0,17	IS14/66
	◆ FS225R12KE3	1200	225	1,7	1100	0,11	IS14/66
	◆ FS300R12KE3	1200	300	1,7	1550	0,08	IS14/66
	◆ FS450R12KE3	1200	450	1,7	2000	0,06	IS14/66

◆ New type

■ Not for new design