

Products

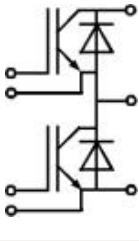
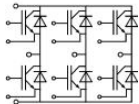
Product overview

SEMISEL: Thermal calculator + simulator
DriverSel

- Explanations general
- Explanations details
- Junction Temperature
- Accessories
- Terminology

Modules - IGBT

Type	$I_C@T_C=25^\circ\text{C}$ A	$V_{CE(sat)}@25^\circ\text{C typ.}$ V	$(E_{on}+E_{off})@125^\circ\text{C typ.}$ mJ	$R_{th(j-c)}$ K/W	Cases	Circuit
SEMITRANS™						
600 V						
Superfast						
SKM 75GAL063D	100	2,1	5,5	0,35	2	
SKM 300GAL063D	400	2,1	27	0,09	3	
SKM 75GAR063D	100	2,1	5,5	0,35	2	
SKM 300GAR063D	400	2,1	27	0,09	3	
SKM 50GB063D	70	2,1	4,3	0,5	2	

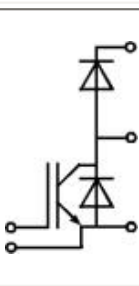
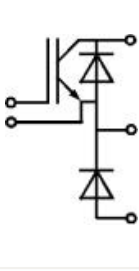

SKM 75GB063D	100	2,1	5,5	0,35	2	
SKM 100GB063D	130	2,1	7	0,27	2	
SKM 150GB063D	200	2,1	14	0,18	3	
SKM 200GB063D	260	2,1	18,5	0,14	3	
SKM 300GB063D	400	2,1	27	0,09	3	
SKM 100GD063DL	130	2,1	7	0,27	6	

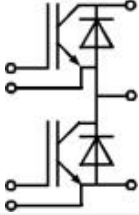
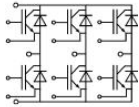
Trench

SKM 145GB066D	170	1,45	14	0,3	2	
SKM 195GB066D	220	1,45	22	0,22	2	
SKM 300GB066D	340	1,45	19	0,15	3	
SKM 600GB066D	690	1,45	37	0,08	3	

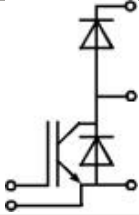
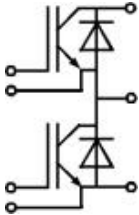
1200 V

Standard

SKM 75GAL123D	75	2,5	13	0,27	2	
SKM 100GAL123D	100	2,5	18	0,18	2	
SKM 145GAL123D	145	2,5	28	0,15	2	
SKM 150GAL123D	150	2,5	24	0,15	3	
SKM 200GAL123D	200	2,5	41	0,09	3	
SKM 300GAL123D	300	2,5	54	0,08	3	
SKM 75GAR123D	75	2,5	13	0,27	2	
SKM 100GAR123D	100	2,5	18	0,18	2	
SKM 145GAR123D	145	2,5	28	0,15	2	
SKM 150GAR123D	150	2,5	24	0,15	3	
SKM 200GAR123D	200	2,5	41	0,09	3	
SKM 300GAR123D	300	2,5	54	0,08	3	
SKM 75GB123D	75	2,5	13	0,27	2	
SKM 100GB123D	100	2,5	18	0,18	2	
SKM 145GB123D	145	2,5	28	0,15	2	
SKM 150GB123D	150	2,5	24	0,15	3	
SKM 200GB123D	200	2,5	41	0,09	3	

SKM 300GB123D	300	2,5	54	0,08	3	
SKM 400GB123D	400	2,5	78	0,05	3	
SKM 200GB123D1	200	2,5	41	0,09	3	
SKM 22GD123D	25	2,5	3,4	0,86	6	
SKM 40GD123D	40	2,5	6,1	0,56	6	
SKM 75GD123D	75	2,5	13	0,32	6	
*SKM 40GDL123D	40	2,5	6,1	0,56	6	
*SKM 75GD123DL	75	2,5	13	0,32	6	
SKM 75GDL123D	75	2,5	13	0,32	6	
SKM 300GA123D	300	2,5	48	0,08	4	
SKM 400GA123D	400	2,5	78	0,04	4	
SKM 500GA123D	500	2,5	98	0,04	3	
SKM 500GA123DS	500	2,5	98	0,04	3	

Low Loss

*SKM 145GAL124DN	190	2,1	27	0,16	2 N	
*SKM 400GAL124D	570	2,1	78	0,05	3	
*SKM 400GAR124D	570	2,1	78	0,05	3	
*SKM 75GB124D	100	2,1	14	0,27	2	
*SKM 100GB124D	150	2,1	20	0,18	2	
*SKM 145GB124DN	190	2,1	27	0,16	2 N	
*SKM 150GB124D	190	2,1	25	0,15	3	
*SKM 200GB124D	290	2,1	40	0,09	3	
*SKM 300GB124D	380	2,1	57	0,08	3	
*SKM 400GB124D	570	2,1	78	0,05	3	

*SKM 40GD124D	50	2,1	6,6	0,56	4	
*SKM 400GA124D	600	2,1	78	0,04	4	
*SKM 500GA124D	700	2,1	96	0,04	4	
*SKM 600GA124D	700	2	118	0,03	4	

Ultrafast




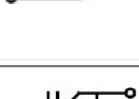



SKM 200GAL125D	200	3,3	22	0,09	3	
SKM 400GAL125D	400	3,3	35	0,05	3	
SKM 200GAR125D	200	3,3	22	0,09	3	
SKM 400GAR125D	400	3,3	35	0,05	3	
SKM 100GB125DN	100	3,3	12,5	0,18	2 N	
SKM 200GB125D	200	3,3	22	0,09	3	
SKM 300GB125D	300	3,3	27	0,08	3	
SKM 400GB125D	400	3,3	35	0,05	3	
SKM 600GA125D	580	3,3	52	0,04	4	
SKM 800GA125D	760	3,2	78	0,03	4	

Trench

SKM 195GAL126D	220	1,7	40,5	0,16	2	
SKM 200GAL126D	260	1,7	42	0,13	3	
SKM 600GAL126D	660	1,7	103	0,06	3	
SKM 195GB126D	220	1,7	40,5	0,16	2	
SKM 200GB126D	260	1,7	42	0,13	3	
SKM 300GB126D	310	1,7	54	0,12	3	
SKM 400GB126D	470	1,7	77	0,08	3	
SKM 600GB126D	660	1,7	103	0,06	3	

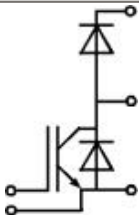
SKM 600GA126D	660	1,7	103	0,06	4	
SKM 800GA126D	960	1,7	160	0,04	4	

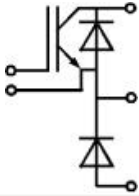
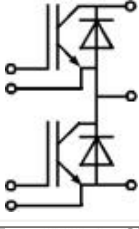

Soft Punch Through

SKM 145GAL128D	190	1,9	22	0,16	2	
SKM 300GAL128D	370	1,9	44	0,08	3	
SKM 400GAL128D	565	1,9	63	0,06	3	
SKM 145GAR128D	190	1,9	22	0,16	2	
SKM 400GAR128D	565	1,9	63	0,06	3	
SKM 75GB128D	100	1,9	11	0,3	2	
SKM 100GB128D	145	1,9	16,5	0,21	2	
SKM 145GB128D	190	1,9	22	0,16	2	
SKM 150GB128D	200	1,9	19	0,15	3	
SKM 200GB128D	300	1,9	33	0,1	3	
SKM 300GB128D	370	1,9	44	0,08	3	
SKM 400GB128D	565	1,9	63	0,06	3	
SKM 300GA128D	370	1,9	44	0,08	4	
SKM 400GA128D	565	1,9	64	0,06	4	
SKM 500GA128D	700	1,9	85	0,05	4	

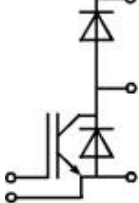
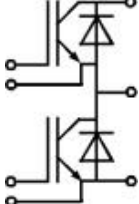

1700 V

Standard

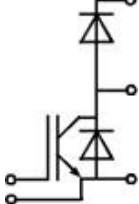

SKM 200GAL173D	220	3,4	140	0,1	3	
----------------	-----	-----	-----	-----	---	---

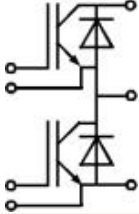



SKM 200GAR173D	220	3,4	140	0,1	3	
SKM 75GB173D	75	3,4	31	0,25	2	
SKM 100GB173D	110	3,4	56	0,2	2	
SKM 150GB173D	150	3,4	92	0,12	3	
SKM 200GB173D	220	3,4	140	0,1	3	
SKM 200GB173D1	220	3,4	140	0,1	3	
SKM 400GA173D	440	3	190	0,05	4	
SKM 400GA173D1S	440	3	190	0,05	4	

Low Loss

*SKM 145GAL174DN	160	2,6	120	0,16	2 N	
*SKM 145GB174DN	160	2,6	120	0,16	2 N	
*SKM 200GB174D	250	2,8	115	0,1	3	
*SKM 300GB174D	320	2,7	220	0,07	3	
*SKM 500GA174D	600	2,8	510	0,04	4	

Trench

SKM 200GAL176D	260	2	151	0,12	3	
SKM 400GAL176D	430	2	288	0,08	3	
SKM 75GB176D	80	2	0	0,38	2	
SKM 100GB176D	125	2	73	0,24	2	
SKM 200GB176D	260	2	151	0,12	3	

SKM 400GB176D	430	2	288	0,08	3	
SKM 600GA176D	660	2	410	0,04	4	
SKM 800GA176D	830	2	580	0,04	4	
SKM 145GAL176D	160	2	0	0,18	-	

* Not for new design

[Top](#)