

Products

Product overview

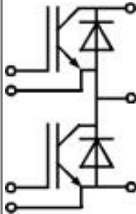
SEMISEL: Thermal calculator + simulator

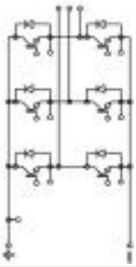
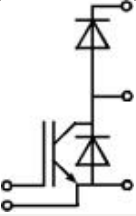
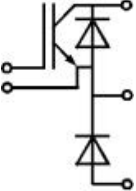
DriverSel

- Explanations general
 - Explanations details
 - Junction Temperature
- Mounting Instructions
 - Accessories

Modules - IGBT

SEMiX®

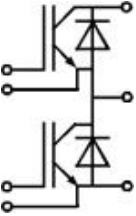
Type	$I_C@T_C=80^{\circ}C$	$V_{CE(sat)}@25^{\circ}C$ typ.	$(E_{on}+E_{off})@125^{\circ}C$ typ.	$R_{th(j-c)}$	Cases SEMiX	Circuit
	A	V	mJ	K/W		
600 V						
Trench						
SEMiX 202GB066HD	240	1,45	14	0,22	2	
SEMiX 202GB066HDs	240	1,45	14	0,22	2s	
SEMiX 302GB066HD	360	1,45	21	0,15	2	
SEMiX 302GB066HDs	360	1,45	21	0,15	2s	
SEMiX 402GB066HD	490	1,45	28	0,11	2	
SEMiX 402GB066HDs	490	1,45	28	0,11	2s	
SEMiX 603GB066HD	730	1,45	52	0,07	3	
SEMiX 603GB066HDs	730	1,45	52	0,07	3s	
SEMiX 101GD066HDs	120	1,45	7	0,44	13	

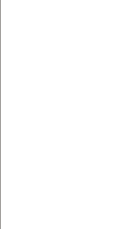
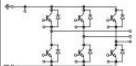
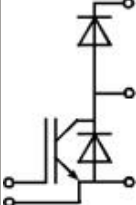
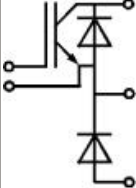
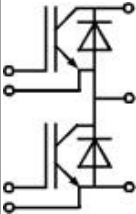
SEMiX 151GD066HDs	180	1,45	10	0,3	13	
SEMiX 201GD066HDs	240	1,45	13	0,22	13	
SEMiX 302GAL066HD	360	1,45	21	0,15	2	
SEMiX 402GAL066HD	490	1,45	28	0,11	2	
SEMiX 603GAL066HD	730	1,45	52	0,07	3	
SEMiX 302GAR066HD	360	1,45	21	0,15	2	
SEMiX 402GAR066HD	490	1,45	28	0,11	2	
SEMiX 603GAR066HD	730	1,45	52	0,07	3	

Type	$I_C@T_C=25^\circ\text{C}$	$V_{CE(sat)}@25^\circ\text{C typ.}$	$(E_{on}+E_{off})@125^\circ\text{C typ.}$	$R_{th(j-c)}$	Cases SEMiX	Circuit
	A	V	mJ	K/W		

1200 V

Trench

SEMiX 252GB126HD	240	1,7	41	0,15	2	
SEMiX 252GB126HDs	240	1,7	41	0,15	2s	
SEMiX 253GB126HD	260	1,7	37	0,14	3	
SEMiX 253GB126HDs	260	1,7	37	0,14	3s	
SEMiX 302GB126HD	300	1,7	56	0,12	2	
SEMiX 302GB126HDs	300	1,7	56	0,12	2s	
SEMiX 353GB126HD	360	1,7	56	0,1	3	
SEMiX 353GB126HDs	360	1,7	56	0,1	3s	
SEMiX 452GB126HD	470	1,7	80	0,08	2	
SEMiX 452GB126HDs	470	1,7	80	0,08	2s	
SEMiX 503GB126HD	480	1,7	69	0,08	3	
SEMiX 503GB126HDs	480	1,7	69	0,08	3s	
SEMiX 604GB126HD	620	1,7	100	0,06	4	

SEMiX 604GB126HDs	620	1,7	100	0,06	4s	
SEMiX 703GB126HD	700	1,7	95	0,06	3	
SEMiX 703GB126HDs	700	1,7	95	0,06	3s	
SEMiX 904GB126HD	910	1,7	148	0,04	4	
SEMiX 904GB126HDs	910	1,7	148	0,04	4s	
SEMiX 101GD126HDs	120	1,7	20,2	0,26	13	
SEMiX 151GD126HDs	150	1,7	25	0,21	13	
SEMiX 251GD126HDs	240	1,7	40	0,15	13	
SEMiX 253GD126HDc	260	1,7	37	0,14	33c	
SEMiX 353GD126HDc	360	1,7	56	0,1	33c	
SEMiX 503GD126HDc	480	1,7	69	0,08	33c	
SEMiX 703GD126HDc	700	1,7	95	0,06	33c	
SEMiX 302GAL126HD	300	1,7	56	0,12	2	
SEMiX 452GAL126HD	470	1,7	80	0,08	2	
SEMiX 703GAL126HD	700	1,7	95	0,06	3	
SEMiX 904GAL126HD	910	1,7	148	0,04	4	
SEMiX 302GAR126HD	300	1,7	56	0,12	2	
SEMiX 452GAR126HD	470	1,7	80	0,08	2	
SEMiX 703GAR126HD	700	1,7	95	0,06	3	
SEMiX 904GAR126HD	910	1,7	148	0,04	4	
SPT						
SEMiX 202GB128D	190	1,9	19	0,16	2	
SEMiX 202GB128Ds	190	1,9	19	0,16	2s	
SEMiX 302GB128D	310	1,9	32	0,1	2	
SEMiX 302GB128Ds	310	1,9	32	0,1	2s	
SEMiX 352GB128D	370	1,9	41	0,08	2	
SEMiX 352GB128Ds	370	1,9	41	0,08	2s	
SEMiX 403GB128D	420	1,9	41	0,08	3	
SEMiX 403GB128Ds	420	1,9	41	0,08	3s	
SEMiX 553GB128D	540	1,9	57	0,06	3	
SEMiX 553GB128Ds	540	1,9	57	0,06	3s	
SEMiX754GB128Ds	750	1,9	92	0,04	4s	

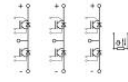
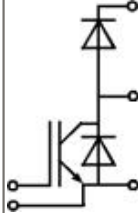
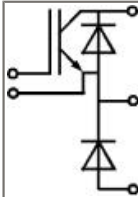
SEMiX 101GD128Ds	100	1,9	10,3	0,27	13	
SEMiX 151GD128Ds	150	1,9	16	0,19	13	
SEMiX 201GD128Ds	190	1,9	21	0,17	13	
SEMiX 403GD128Dc	420	1,9	41	0,08	33c	
SEMiX 553GD128Dc	540	1,9	57	0,06	33c	
SEMiX 553GAL128D	540	1,9	57	0,06	3	
SEMiX 553GAR128D	540	1,9	57	0,06	3	

Type	$I_C@T_C=25^\circ\text{C}$	$V_{CE(sat)}@25^\circ\text{C typ.}$	$(E_{on}+E_{off})@125^\circ\text{C typ.}$	$R_{th(j-c)}$	Cases SEMiX	Circuit
	A	V	mJ	K/W		

1700 V

Trench

SEMiX 252GB176HD	260	2	150	0,11	2	
SEMiX 252GB176HDs	260	2	150	0,12	2s	
SEMiX 253GB176HD	250	2	150	0,12	3	
SEMiX 253GB176HDs	250	2	150	0,12	3s	
SEMiX 302GB176HD	320	2	200	0,1	2	
SEMiX 302GB176HDs	320	2	200	0,1	2s	
SEMiX 353GB176HD	380	2	229	0,08	3	
SEMiX 353GB176HDs	380	2	229	0,08	3s	
SEMiX 452GB176HD	450	2	300	0,07	2	
SEMiX 452GB176HDs	450	2	300	0,07	2s	
SEMiX 453GB176HD	450	2	310	0,06	3	
SEMiX 453GB176HDs	450	2	310	0,06	3s	
SEMiX 604GB176HD	600	2	380	0,05	4	

SEMiX 604GB176HDs	600	2	380	0,05	4s	
SEMiX 653GB176HD	650	2	455	0,05	3	
SEMiX 653GB176HDs	650	2	455	0,05	3s	
SEMiX 854GB176HD	830	2	500	0,04	4	
SEMiX 854GB176HDs	830	2	500	0,04	4s	
SEMiX 253GD176HDc	250	2	150	0,12	33c	
SEMiX 353GD176HDc	380	2	229	0,08	33c	
SEMiX 453GD176HDc	450	2	310	0,06	33c	
SEMiX 653GD176HDc	650	2	455	0,05	33c	
SEMiX 653GAL176HD	650	2	455	0,05	3	
SEMiX 653GAR176HD	650	2	455	0,05	3	

[Top](#)