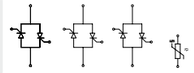
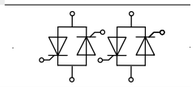
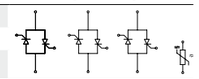
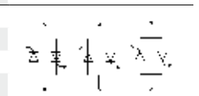
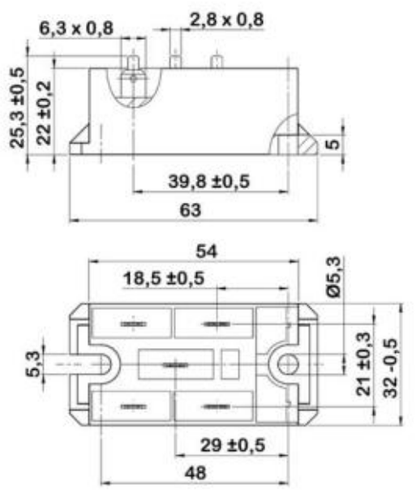
Thyristor / Diode Modules / SEMIPONT

Type	V_{RRM} V_{DRM} V	I_{TAV} I_{FAV} @ T_S A	T_S °C	I_{TSM} I_{FSM} @ T_{jmax} A	$V_{T(TO)}$ @ T_{jmax} V	r_T @ T_{jmax} mΩ	$R_{th(j-s)}$ cont. per chip K/W	T_j °C	Case	Circuit
SKUT 85/12 T V2 [2]	1200	94	85	1050	1.10	6.0	0.85	-40 ... +125	5	
SKWT 40 [1]	800-2200	40	85	580	0.9	6.0	2	-40 ... +125	1	
SKUT 85/16 T V2 [2]	1600	94	85	1050	1.10	6.0	0.85	-40 ... +125	5	
SKUT 115/12T V2 [2]	1200	127	85	1250	0.90	5	0.63	-40 ... +125	5	
SKUT 115/16T V2 [2]	1600	127	85	1250	0.90	5	0.63	-40 ... +125	5	
SKUT 85/12 V2 [2]	1200	85	85	1050	1.1	6.0	0.85	-40 ... +125	5	
SKUT 85/16 V2 [2]	1600	85	85	1050	1.1	6.0	0.85	-40 ... +125	5	
SKUT 115/12 V2 [2]	1200	105	85	1250	0.9	5.0	0.63	-40 ... +125	5	
SKUT 115/16 V2 [2]	1600	105	85	1250	0.9	5.0	0.63	-40 ... +125	5	

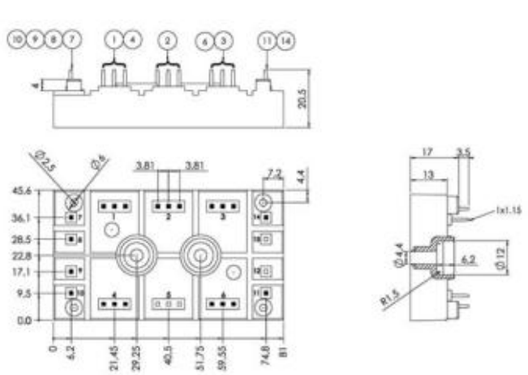
Footnotes: 1) Sample status / 2) In production new

Cases

SEMIPONT 1

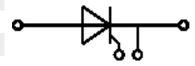
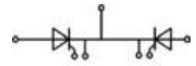
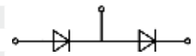


SEMIPONT 5

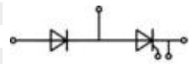
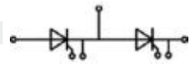


Dimensions in mm

Thyristor / Diode Modules / SEMIPACK

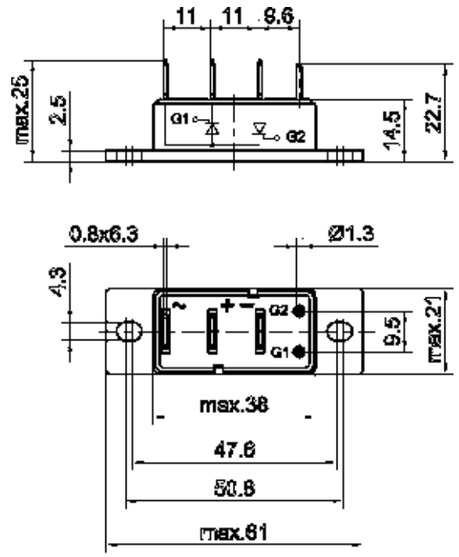
Type	V_{RRM} V_{DRM} V	I_{TAV} I_{FAV} @ T_C A	T_C °C	I_{TSM} I_{FSM} @ T_{jmax} A	$V_{T(TO)}$ @ T_{jmax} V	r_T @ T_{jmax} mΩ	$R_{th(j-c)}$ cont. per chip K/W	$R_{th(c-s)}$ per chip K/W	T_j °C	Case	Circuit
SKET 330	800-2200	295	85	8000	1.20	0.55	0.09	0.02	-40 ... +130	4	
SKET 400	800-1800	392	85	12000	0.92	0.3	0.09	0.02	-40 ... +130	4	
SKET 741/22 E	2200	819	85	26500	0.82	0.17	0.0405	0.015	-40 ... +125	6	
SKET 801/18 E	1800	819	85	30000	0.82	0.17	0.0405	0.015	-40 ... +125	6	
SKKE 15	600-1600	14	85	280	0.85	15	2	0.2	-40 ... +125	0	
SKKE 81	800-1600	82	85	1750	0.85	1.8	0.4	0.2	-40 ... +125	1	
SKKE 162	800-2200	195	85	5000	0.85	1.2	0.18	0.1	-40 ... +135	2	
SKKE 380	1200-1600	380	100	10000	0.80	0.35	0.11	0.04	-40 ... +150	3	
SKKE 600	1200-2200	600	100	18000	0.75	0.25	0.07	0.02	-40 ... +150	4	
SKKE 1201/22	2200	1360	85	35000	0.75	0.073	0.047	0.015	-40 ... +125	6	
SKKL 92	800-1800	95	85	1750	0.90	2	0.28	0.2	-40 ... +125	1	
SKMT 92	800-1800	95	85	1750	0.90	2	0.28	0.2	-40 ... +125	1	
SKKD 15	600-1600	14	85	280	0.85	15	2	0.2	-40 ... +125	0	
SKKD 26	1200-1600	31	85	480	0.85	6	1	0.2	-40 ... +125	1	
SKKD 46	400-1800	47	85	600	0.85	5	0.6	0.2	-40 ... +125	1	
SKKD 81	400-1800	82	85	1750	0.85	1.8	0.4	0.2	-40 ... +125	1	
SKKD 81 H4	2000-2200	82	85	1750	0.85	1.8	0.4	0.2	-40 ... +125	1	
SKKD 100	400-1800	100	85	2000	0.85	1.3	0.35	0.2	-40 ... +125	1	
SKKD 101/16	1600	134	85	2000	0.87	2.45	0.19	0.22	-40 ... +130	1	
SKKD 152/16 H1	1600	171	85	4500	0.82	1.35	0.2	0.1	-40 ... +135	2	
SKKD 162	800-2200	195	85	5000	0.85	1.2	0.18	0.1	-40 ... +135	2	
SKKD 212	1200-1800	212	85	5500	0.75	1.05	0.18	0.1	-40 ... +135	2	
SKKD 260	800-2200	260	85	10000	0.9	0.37	0.14	0.04	-40 ... +130	3	
SKKD 353	1200-1800	350	85	9500	0.84	0.75	0.09	0.08	-40 ... +130	3	
SKKD 380	800-2200	380	100	10000	0.80	0.35	0.11	0.04	-40 ... +150	3	
SKKD 701	1200-2200	701	100	22500	0.70	0.28	0.069	0.02	-40 ... +160	5	
SKKH 15	600-1600	13.5	85	280	1.10	20	1.6	0.2	-40 ... +125	0	
SKKH 27	800-1800	25	85	480	0.90	12	0.9	0.2	-40 ... +125	1	
SKKH 42	800-1800	40	85	850	1.00	4.5	0.65	0.2	-40 ... +125	1	
SKKH 57	800-1800	50	85	1250	0.90	3.5	0.57	0.2	-40 ... +125	1	
SKKH 57 H4	2000-2200	50	85	1250	0.90	3.5	0.57	0.2	-40 ... +125	1	
SKKH 58/16 E	1600	55	85	1200	1.00	4.8	0.47	0.22	-40 ... +130	1	
SKKH 72	800-1800	70	85	1450	0.90	3.5	0.35	0.2	-40 ... +125	1	
SKKH 72 H4	2000-2200	70	85	1450	0.90	3.5	0.35	0.2	-40 ... +125	1	
SKKH 92	800-1800	95	85	1750	0.90	2	0.28	0.2	-40 ... +125	1	
SKKH 106	800-1800	106	85	1900	0.90	2	0.28	0.2	-40 ... +130	1	
SKKH 107/16 E	1600	119	85	1900	0.90	3.35	0.19	0.22	-40 ... +130	1	
SKKH 122	800-1800	129	85	3200	0.85	2	0.2	0.13	-40 ... +125	2	
SKKH 132	800-1800	137	85	4000	1.00	1.6	0.18	0.1	-40 ... +125	2	
SKKH 132 H4	2000-2200	128	85	3800	1.10	2	0.17	0.1	-40 ... +125	2	
SKKH 162	800-1800	156	85	5000	0.85	1.5	0.17	0.1	-40 ... +125	2	
SKKH 162 H4	2000-2200	143	85	4800	0.95	2	0.16	0.1	-40 ... +125	2	
SKKH 172/16 E	1600	175	85	5000	0.83	1.3	0.155	0.1	-40 ... +125	2	

Thyristor / Diode Modules / SEMIPACK

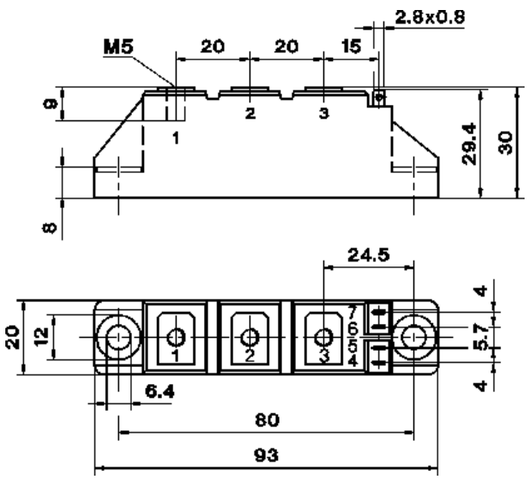
Type	V_{RRM} V_{DRM}	I_{TAV} I_{FAV} @ T_C	T_C	I_{TSM} I_{FSM} @ T_{jmax}	$V_{T(TO)}$ @ T_{jmax}	r_T @ T_{jmax}	$R_{th(j-c)}$ cont. per chip	$R_{th(c-s)}$ per chip	T_j	Case	Circuit
	V	A	°C	A	V	mΩ	K/W	K/W	°C		
SKKH 250	1200-1800	250	85	8000	0.93	0.45	0.14	0.04	-40 ... +130	3	
SKKH 273	1200-1800	273	85	8000	0.90	0.92	0.104	0.08	-40 ... +130	3	
SKKH 280 H4	2000-2200	252	85	7500	0.90	0.75	0.11	0.04	-40 ... +125	3	
SKKH 323	1200-1800	320	85	8200	0.81	0.85	0.091	0.08	-40 ... +130	3	
SKKH 330	800-1800	305	85	8000	0.80	0.6	0.11	0.04	-40 ... +130	3	
SKKH 460	1600-2200	460	85	15500	0.88	0.45	0.072	0.02	-40 ... +130	5	
SKKH 570	1600-1800	570	85	15500	0.78	0.32	0.069	0.02	-40 ... +135	5	
SKKT 15	600-1600	13.5	85	280	1.10	20	1.6	0.2	-40 ... +125	0	
SKKT 20	800-1600	18	85	280	1.00	16	1.2	0.2	-40 ... +125	1	
SKKT 20B	800-1600	18	85	280	1.00	16	1.2	0.2	-40 ... +125	1	
SKKT 27	800-1600	25	85	480	0.90	12	0.9	0.2	-40 ... +125	1	
SKKT 27B	800-1600	25	85	480	0.90	12	0.9	0.2	-40 ... +125	1	
SKKT 42	800-1800	40	85	850	1.00	4.5	0.65	0.2	-40 ... +125	1	
SKKT 42B	800-1800	40	85	850	1.00	4.5	0.65	0.2	-40 ... +125	1	
SKKT 57	800-1800	50	85	1250	0.90	3.5	0.57	0.2	-40 ... +125	1	
SKKT 57B	800-1800	50	85	1250	0.90	3.5	0.57	0.2	-40 ... +125	1	
SKKT 57 H4	2000-2200	50	85	1250	0.90	3.5	0.57	0.2	-40 ... +125	1	
SKKT 58/16 E	1600	55	85	1200	1.00	4.8	0.47	0.22	-40 ... +130	1	
SKKT 58B16 E	1600	55	85	1200	1.00	4.8	0.47	0.22	-40 ... +130	1	
SKKT 72	800-1800	70	85	1450	0.90	3.5	0.35	0.2	-40 ... +125	1	
SKKT 72B	800-1800	70	85	1450	0.90	3.5	0.35	0.2	-40 ... +125	1	
SKKT 72 H4	2000-2200	70	85	1450	0.90	3.5	0.35	0.2	-40 ... +125	1	
SKKT 92	800-1800	95	85	1750	0.90	2	0.28	0.2	-40 ... +125	1	
SKKT 92B	800-1800	95	85	1750	0.90	2	0.28	0.2	-40 ... +125	1	
SKKT 106	800-1800	106	85	1900	0.90	2	0.28	0.2	-40 ... +130	1	
SKKT 106B	800-1800	106	85	1900	0.90	2	0.28	0.2	-40 ... +130	1	
SKKT 107/16 E	1600	119	85	1900	0.90	3.35	0.19	0.22	-40 ... +130	1	
SKKT 107B16 E	1600	119	85	1900	0.90	3.35	0.19	0.22	-40 ... +130	1	
SKKT 122	800-1800	129	85	3200	0.85	2	0.2	0.13	-40 ... +125	2	
SKKT 132	800-1800	137	85	4000	1.00	1.6	0.18	0.1	-40 ... +125	2	
SKKT 132 H4	2000-2200	128	85	3800	1.10	2	0.17	0.1	-40 ... +125	2	
SKKT 162	800-1800	156	85	5000	0.85	1.5	0.17	0.1	-40 ... +125	2	
SKKT 162 H4	2000-2200	143	85	4800	0.95	2	0.16	0.1	-40 ... +125	2	
SKKT 172	1400-1800	175	85	5000	0.83	1.3	0.155	0.1	-40 ... +125	2	
SKKT 250	800-1800	250	85	8000	0.93	0.45	0.14	0.04	-40 ... +130	3	
SKKT 273	1200-1800	273	85	8000	0.90	0.92	0.104	0.08	-40 ... +130	3	
SKKT 280 H4	2000-2200	252	85	7500	0.90	0.75	0.11	0.04	-40 ... +125	3	
SKKT 323	1200-1800	320	85	8200	0.81	0.85	0.091	0.08	-40 ... +130	3	
SKKT 330	800-1800	305	85	8000	0.80	0.6	0.11	0.04	-40 ... +130	3	
SKKT 460/16 E	1600	460	85	15500	0.88	0.45	0.072	0.02	-40 ... +130	5	
SKKT 460/22 E H4	2200	460	85	15500	0.88	0.45	0.072	0.02	-40 ... +130	5	
SKKT 570	1200-1800	570	85	15500	0.78	0.32	0.069	0.02	-40 ... +135	5	

Cases

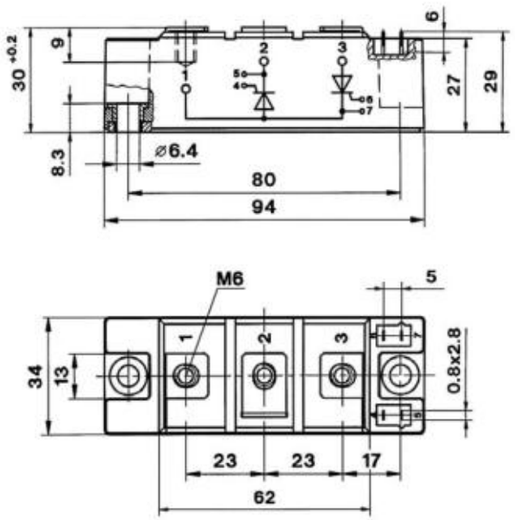
SEMIPACK 0



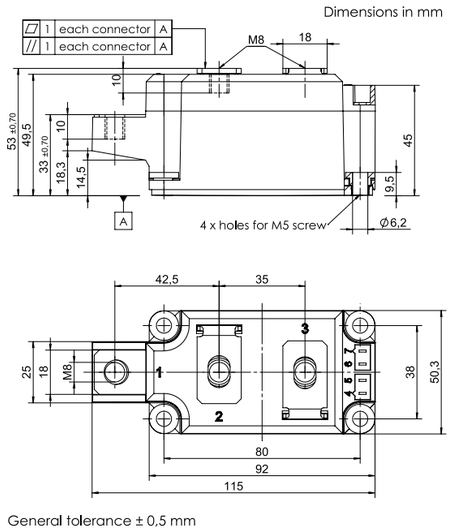
SEMIPACK 1



SEMIPACK 2



SEMIPACK 3



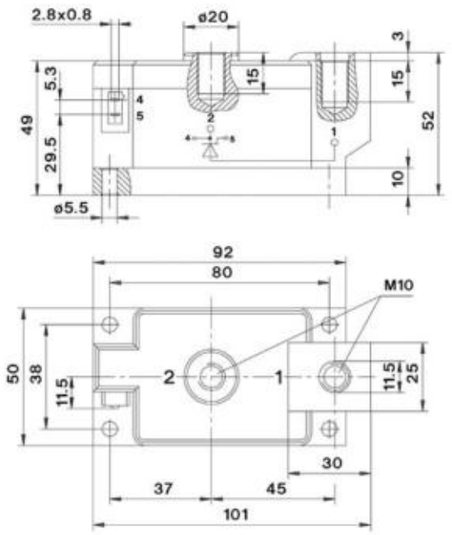
General tolerance ± 0.5 mm

Dimensions in mm

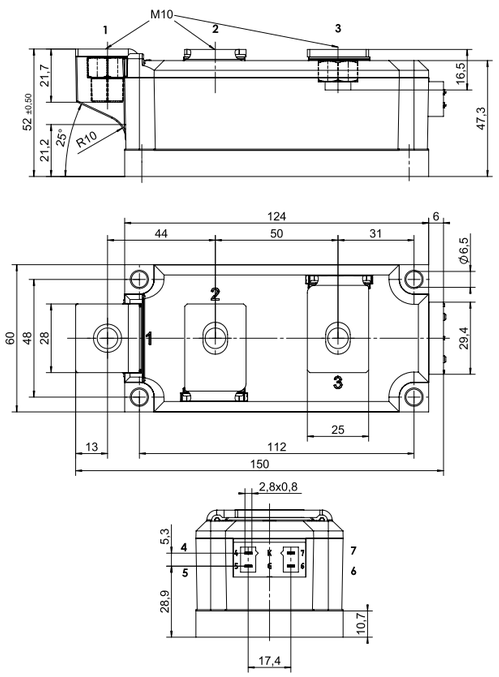
Thyristor / Diode Modules / SEMIPACK

Cases

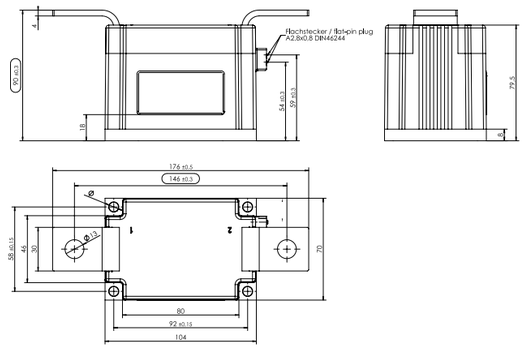
SEMIPACK 4



SEMIPACK 5



SEMIPACK 6



Dimensions in mm

Thyristor / Diode Modules / SEMIPACK FAST

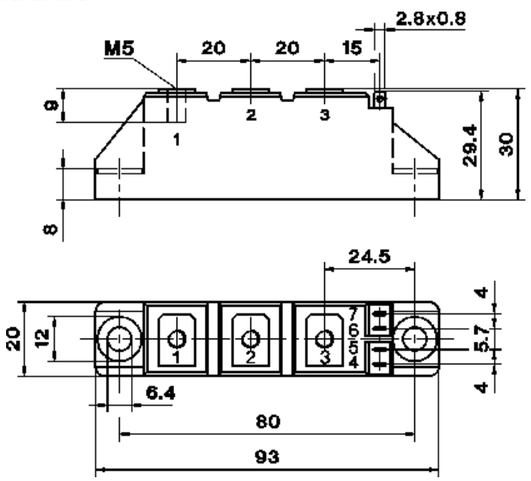
Type

	V_{RRM} V_{DRM}	I_{TAV} I_{FAV} @ T_C	T_C	I_{FSM} @ T_{jmax}	$V_{T(TO)}$ @ T_{jmax}	r_T @ T_{jmax}	$R_{th(j-c)}$ per chip	$R_{th(c-s)}$	T_j	Case	Circuit
	V	A	°C	A	V	mΩ	K/W	K/W	°C		
SKKE 120F17	1700	120	82	1800	1.5	4.5	0.2	0.05	-40 ... +150	2	
SKKE 290F06	600	290	109	6000	0.9	1.2	0.08	0.05	-40 ... +150	2	
SKKE 301F12	1200	300	43	3600	1.2	2.75	0.11	0.05	-40 ... +150	2	
SKKE 310F12	1200	310	84	5500	1.2	1.9	0.08	0.05	-40 ... +150	2	
SKKE 330F17[5]	1700	330	70	5200	1.5	1.9	0.079	0.038	-40 ... +150	4	
SKKE 600F12[5]	1200	600	85	5800	1.2	1.9	0.062	-	-40 ... +150	4	
SKKD 40F	600-1000	40	80	940	1.2	4	0.7	0.2	-40 ... +125	1	
SKKD 42F	1200-1400	42	85	1100	1	5	0.7	0.2	-40 ... +130	1	
SKKD 60F	1700	60	83	900	1.5	9	0.4	0.1	-40 ... +150	2	
SKKD 75F12	1200	75	55	900	1.2	11	0.4	0.1	-40 ... +150	2	
SKKD 150F12	1200	150	54	1800	1.2	5.5	0.2	0.1	-40 ... +150	2	
SKKD 170F	1200	170	85	2300	1.2	3.5	0.14	0.1	-40 ... +150	2	
SKKD 205F06	600	205	87	3000	0.9	2	0.16	0.1	-40 ... +150	2	
SKMD 150F12	1200	150	54	1800	1.2	5.5	0.2	0.1	-40 ... +150	2	
SKND 150F12	1200	150	54	1800	1.2	5.5	0.2	0.1	-40 ... +150	2	
SKND 205F06	600	205	87	3000	0.9	2	0.16	0.1	-40 ... +150	2	

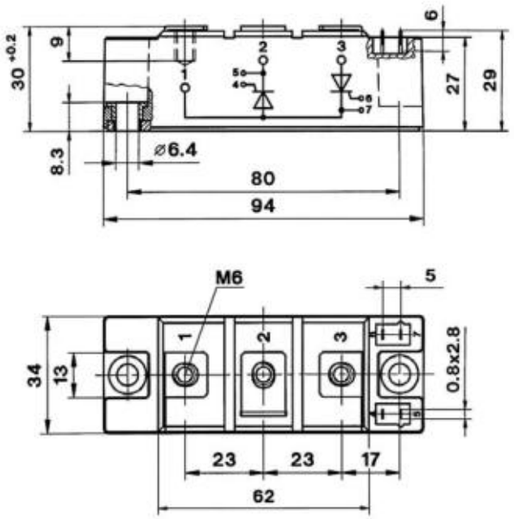
Footnotes: 5) SEMIPACK Fast in SEMITRANS 4 case

Cases

SEMIPACK 1



SEMIPACK 2

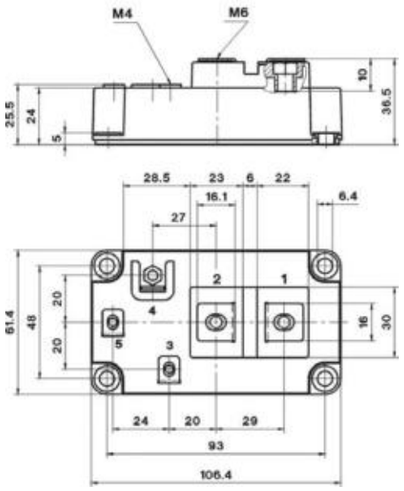


Dimensions in mm

Thyristor / Diode Modules / SEMIPACK FAST

Cases

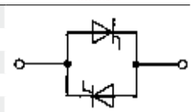
SEMIPACK Fast in SEMITRANS 4



Dimensions in mm

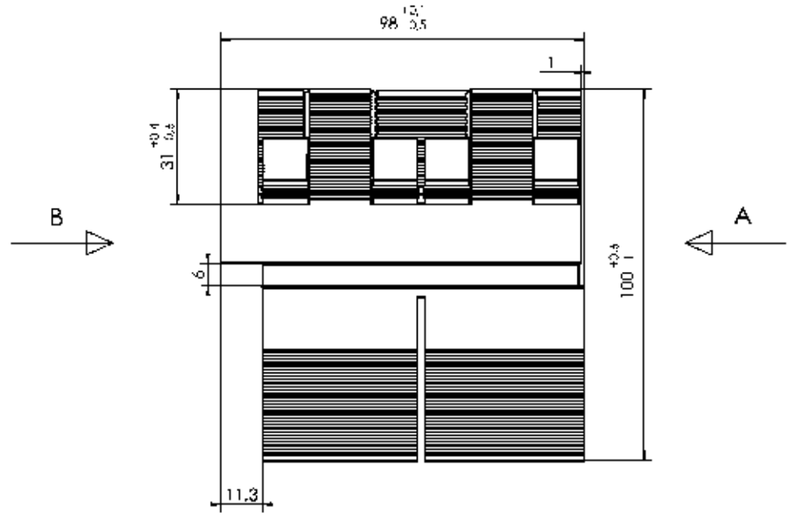
Thyristor Modules / SEMiSTART

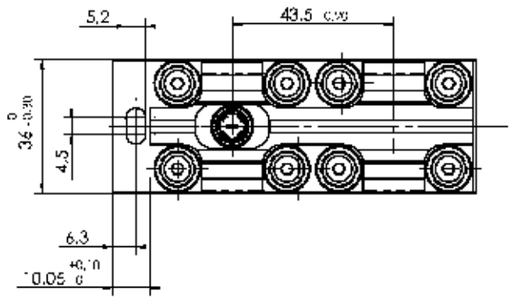
Type	V_{RRM} V_{DRM}	$I_{overload}$ W1C (for 20s)	T_C	I_{TSM} @ T_j = 125°C	$V_{T(TO)}$ @ T_{jmax} =125°C	r_T @ T_{jmax} =125°C	$R_{th(j-r)}$ cont. per chip	T_{jmax} (for 20s)	Case	Circuit
	V	A	°C	A	V	mΩ	K/W	°C		
SKKQ 560	1400-1800	560	150	5200	0.9	0.9	0.106	150	1	
SKKQ 800	1400-1800	800	150	5200	0.9	0.8	0.106	150	2	
SKKQ 1200	1400-1800	1225	150	8000	0.9	0.5	0.066	150	2	
SKKQ 1500	1400-1800	1500	150	15000	0.85	0.3	0.037	150	2	
SKKQ 3000	1400-1800	3080	150	25500	0.95	0.18	0.026	150	3	



Cases

SEMiSTART 1





Dimensions in mm