

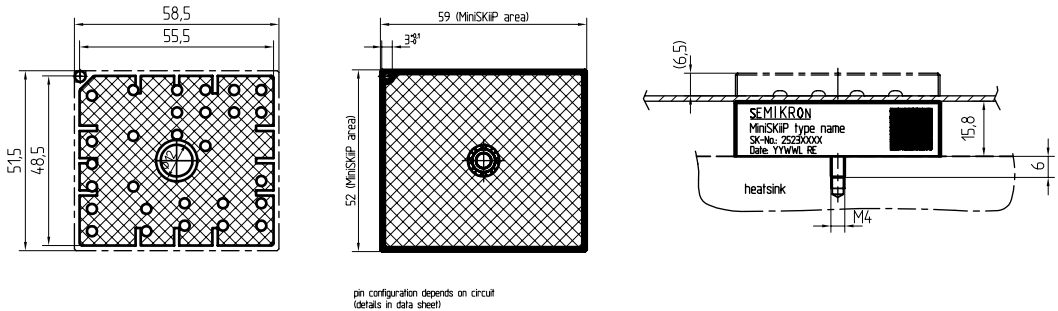
SiC Modules / Hybrid SiC / MiniSKiiP

Type	IGBT						Diode			Module	
	$I_c @ T_s = 25^{\circ}\text{C}$	Current (A)	$V_{CE(sat)} @ T_j = 25^{\circ}\text{C typ.}$	E_{on}	E_{off}	$R_{th(j-a)}$	$I_f @ T_s = 25^{\circ}\text{C}$	V_F	$R_{th(j-a)}$	Case	Circuit
	A	A	V	mJ	mJ	K/W	A	V	K/W		
1200V - IGBT4 (Fast Trench)											
SKiiP 38GB12F4V19 ¹⁾	303	300	2.05	10	22	0.16	133	1.40	0.36	II 3	
SKiiP25AC12F4V19 ¹⁾	61	50	2.05	2.2	2.8	0.7	45	1.40	1.15	II 2	
SKiiP38AC12F4V19 ¹⁾	102	100	2.05	6.4	6.3	0.47	64	1.40	0.9	II 3	
SKiiP39AC12F4V19 ¹⁾	144	150	2.05	9.6	9.4	0.35	118	1.40	0.44	II 3	

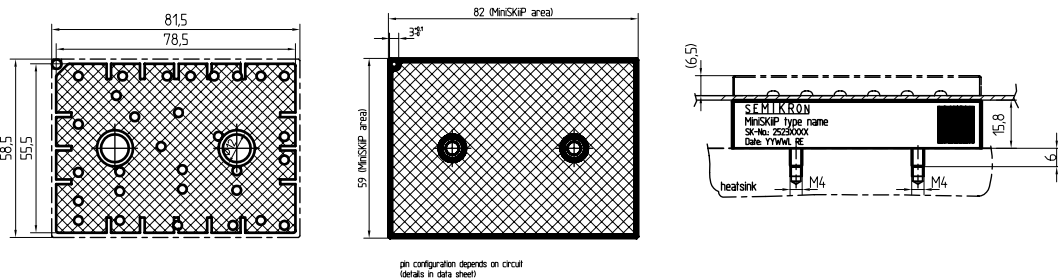
Footnotes: 1) Sample status

Cases

MiniSKiiP II 2



MiniSKiiP II 3



Dimensions in mm

SiC Modules / Hybrid SiC / SEMITOP

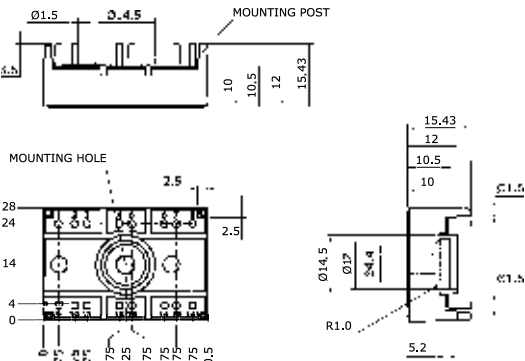
Type	IGBT						Diode			Module	
	$I_c @ T_s = 25^{\circ}\text{C}$	Current (A)	$V_{CE(sat)} @ T_j = 25^{\circ}\text{C typ.}$	E_{on}	E_{off}	K/W	$I_f @ T_s = 25^{\circ}\text{C}$	V_F	$R_{th(j-a)}$	Case	Circuit
	A	A	V	mJ	mJ	K/W	A	V	K/W		
1200V - IGBT4 Fast (Trench)											
SK 25 GAR 12F4 TSC ¹⁾	33	25	2.05	2.27	2.7	1.2	21	1.40	2.7	2	
SK 50 GLLE 12F4 TSC ¹⁾	56	50	2.05	4.5	5.4	0.8	67	1.00	1.2	2	

Footnotes: 1) Sample status

Cases

SEMITOP 2

Dimensions: mm
Tolerance system: ISO 2768-m



Dimensions in mm