

IGBT Modules / SKiM 63/93

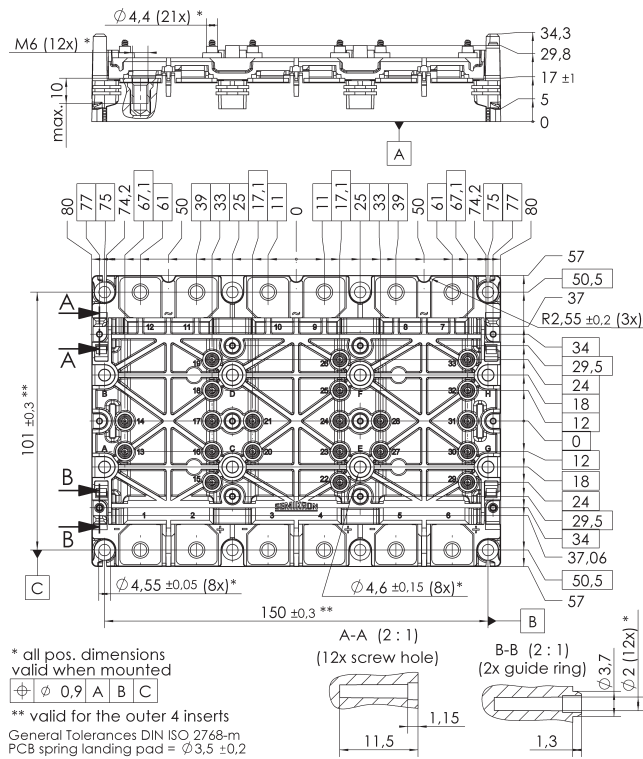
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Type	IGBT						Diode				Module	
	$I_C @ T_s = 25^\circ\text{C}$	I_{Cnom}	$V_{CE(sat)} @ T_j = 25^\circ\text{C typ.}$	E_{on}	E_{off}	$R_{th(j-c)}$	$I_F @ T_s = 25^\circ\text{C}$	$V_F @ T_j = 25^\circ\text{C typ.}$	E_{rr}	$R_{th(j-c)}$	Case	Circuit
	A	A	V	mJ	mJ	K/W	A	V	mJ	K/W		
600V - IGBT3 (Trench)												
SKiM406GD066HD	468	400	1.45	8	25	0.135	360	1.5	12	0.243	63	
SKiM606GD066HD	641	600	1.45	16	53	0.105	453	1.6	21	0.201	63	
SKiM909GD066HD	899	900	1.45	36	88	0.078	712	1.5	29	0.135	93	
1200V - IGBT4 (Trench)												
SKiM609GAL12E4	748	600	1.85	136	83	0.068	1397	1.7	39	0.048	93	
SKiM609GAR12E4	748	600	1.85	136	83	0.068	1397	1.7	39	0.048	93	
SKiM306GD12E4	410	300	1.85	19	39	0.116	302	2.1	21	0.218	63	
SKiM459GD12E4	554	450	1.85	22	57	0.092	438	2.1	40	0.155	93	
1700V - IGBT4 (Trench)												
SKiM429GD17E4HD	595	420	1.90	245	180	0.079	413	1.7	99	0.169	93	

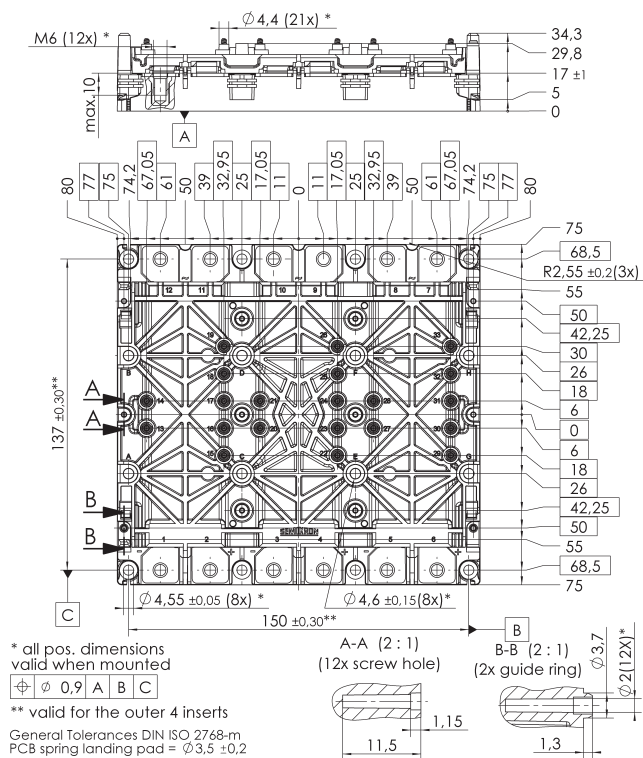
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Cases

SKiM 63



SKiM 93



Dimensions in mm