

MOSFET Modules

Best in Class Switching Performance

SEMIKRON produces MOSFET (Metal Oxide Semiconductor Field Effect Transistor) modules in single switch, half-bridge, H-bridge and sixpack configuration in SEMITOP and SEMITRANS packages.

The available MOSFET modules in the voltage range from 55V up to 600V and current ratings of 40A up to 290A are designed for high-speed switching applications, in particular, and boast low switching losses.

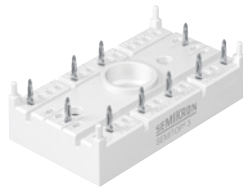
SEMITOP	100
SEMITRANS	102

For detailed information please refer to data sheets.

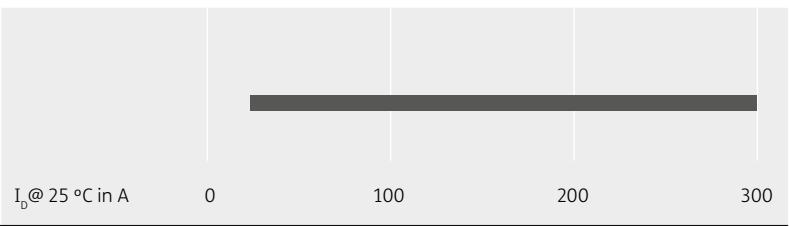
Further information: <http://www.semikron.com/mosfet-modules>

SEMITOP®

Sixpack
H-Bridge
Half-Bridge



60V up to 100V

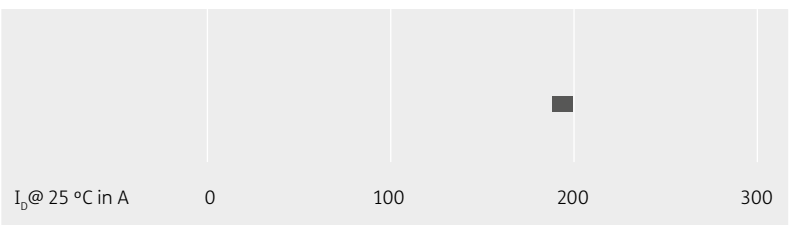


SEMITRANS®

Single Switch



100V up to 200V



MOSFET Modules / SEMITOP

Type						
	V_{DS} V	I_D @ $T_C = 25^\circ\text{C}$ A	$R_{DS(on)}$ @ $T_J = 25^\circ\text{C typ.}$ m Ω	Package	Thermal Interface Material	Topology
80V						
SK300MB080 ¹⁾	80	317	0.90	3	P12, HPTP	
100V						
SK 85 MH 10 T ³⁾	100	80	-	2	P12	
SK280MB10 ¹⁾	100	278	1.15	3	P12, HPTP	
600V						
SK35MLT60SCKE1 ¹⁾	600	45	37	E1	-	
SK50MH65TE1 ¹⁾	650	55	9.8	E1	-	

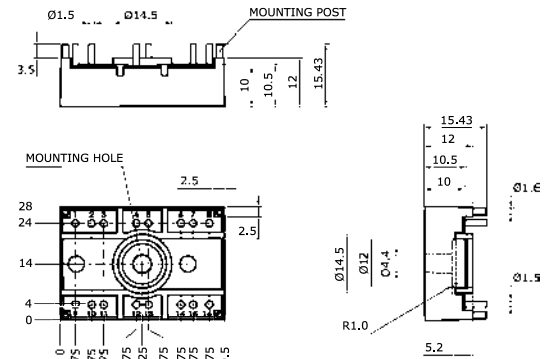
Footnotes: 1) Sample status / 3) Not for new designs

MOSFET Modules / SEMITOP

Packages

SEMITOP 2

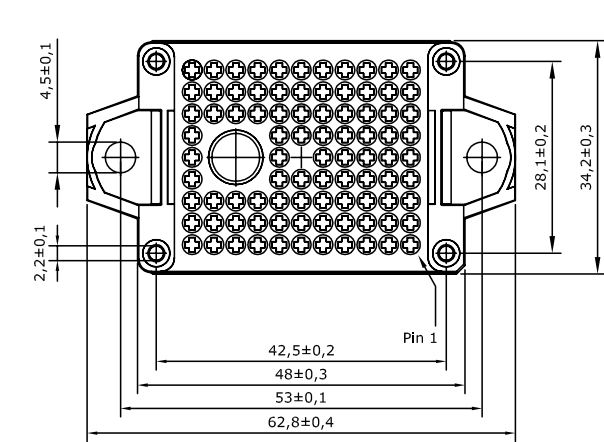
Dimensions: mm
Tolerance system: ISO 2768-m



Dimensions in mm

Packages

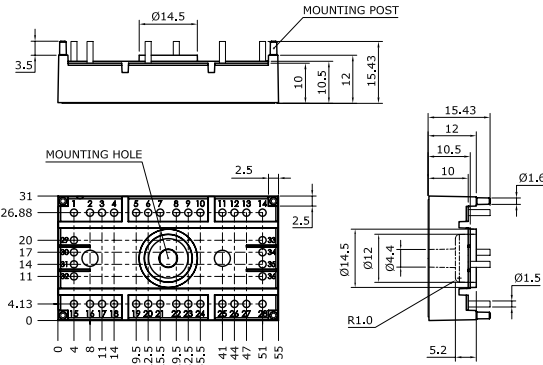
SEMITOP E1



Dimensions in mm

SEMITOP 3

Dimensions: mm
Tolerance system: ISO 2768-m



MOSFET Modules / SEMITRANS

Type						
	V_{DS} V	I_D @ $T_c = 25^\circ\text{C}$ A	$R_{DS(on)}$ @ $T_j = 25^\circ\text{C typ.}$ m Ω	Package	Thermal Interface Material	Topology
100V						
SKM 111 AR	100	200	7	M1	-	
SKM 111 RZR	100	200	7	M1	-	
200V						
SKM 180 A020	200	180	9	M1	-	

Packages

SEMISTRANS M1

Dimensions in mm