

MOSFET Modules

Best in Class Switching Performance

SEMIKRON produces MOSFET (Metal Oxide Semiconductor Field Effect Transistor) modules in single switch, halfbridge, H-bridge and 6-pack configuration in SEMITOP and SEMITRANS packages.

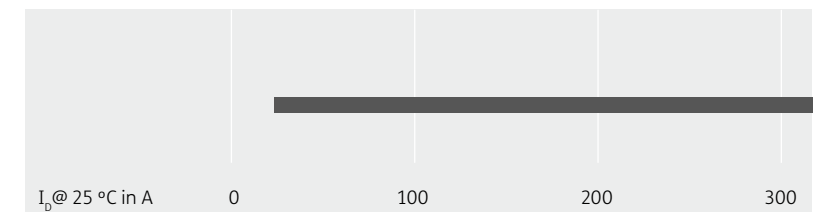
The available MOSFET modules in the voltage range from 55V up to 600V and current ratings of 40A up to 290A are especially designed for high-speed switching applications and boast low switching losses.

SEMITOP®

6-pack
H-bridge
half-bridge



60V up to 100V

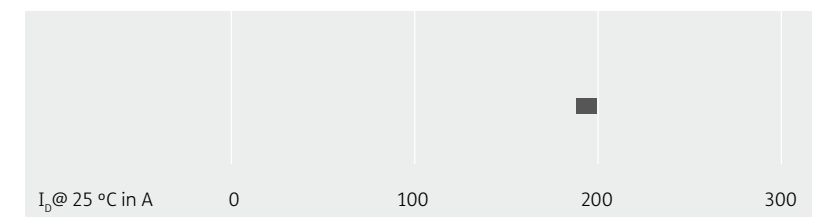


SEMITRANS®

single switch



100V up to 200V



SEMITOP	118
SEMITRANS	119

For detailed information please refer to data sheets.

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



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MOSFET Modules / SEMITOP

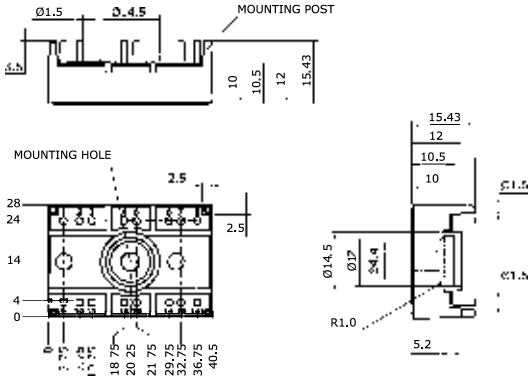
Type	V_{DS} V	I_D @ $T_c = 25^{\circ}C$ A	$R_{DS(on)}$ @ $T_j = 25^{\circ}C$ typ. mΩ	$R_{th(j-a)}$ K/W	Case	Circuit
100V						
SK 85 MH 10 T ³⁾	100	80	-	1.1	2	
SK280MB10 ¹⁾	100	278	1.15	0.68	3	
80V						
SK300MB080 ¹⁾	80	317	0.90	0.68	3	
60V						
SK165MBB060 ¹⁾	60	190	1.10	1.4	3	

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

Cases

SEMISTOP 2

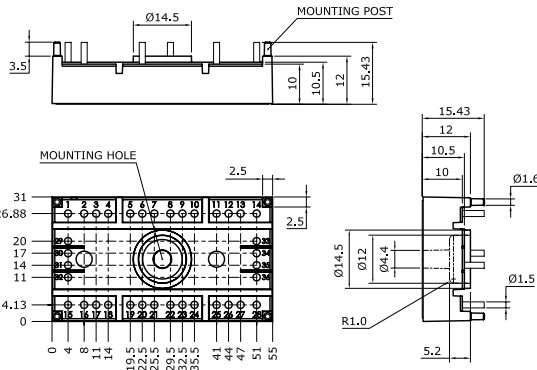
Dimensions: mm
Tolerance system: ISO 2768-m



Dimensions in mm

SEMISTOP 3

Dimensions: mm
Tolerance system: ISO 2768-m

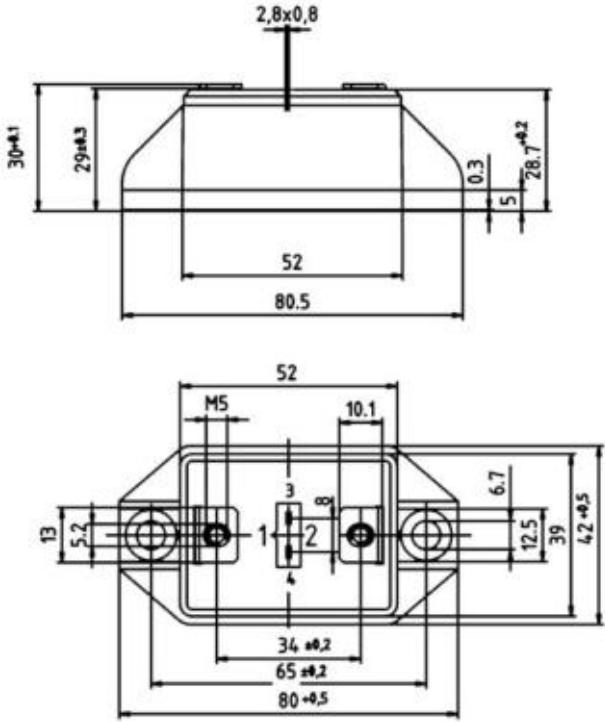


MOSFET Modules / SEMITRANS

Type	V_{DS} V	I_D @ $T_c = 25^{\circ}C$ A	$R_{DS(on)}$ @ $T_j = 25^{\circ}C$ typ. mΩ	$R_{th(j-a)}$ K/W	Case	Circuit
100V						
SKM 111 AR	100	200	7	0.18	M1	
SKM 111 RZR	100	200	7	0.18	M1	
200V						
SKM 180 A020	200	180	9	0.18	M1	

Cases

SEMITRANS M1



Dimensions in mm



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