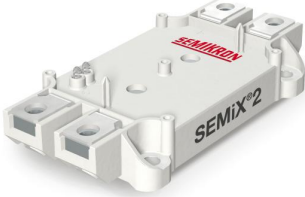


SEMiX 302KD ...

[查询"SEMIX302KD"供应商](#)



SEMiX® 2s

Rectifier Diode Module

SEMiX 302KD

Preliminary Data

Features

- Terminal height 17 mm
- Chips soldered directly to isolated substrate

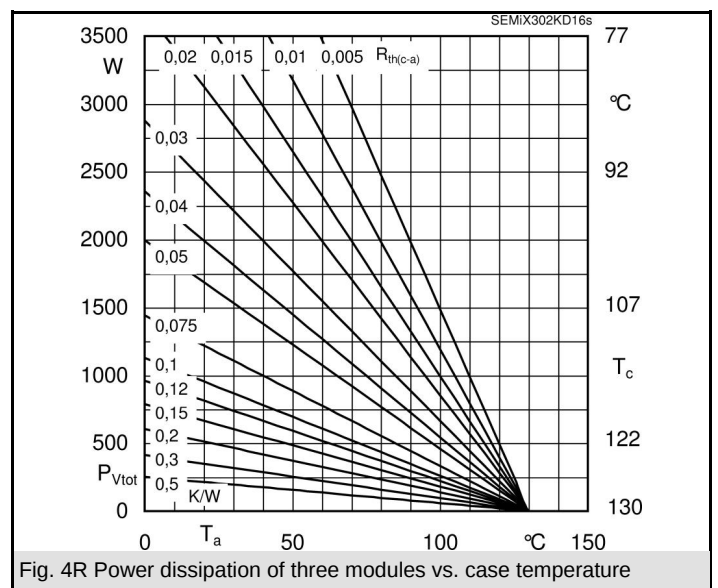
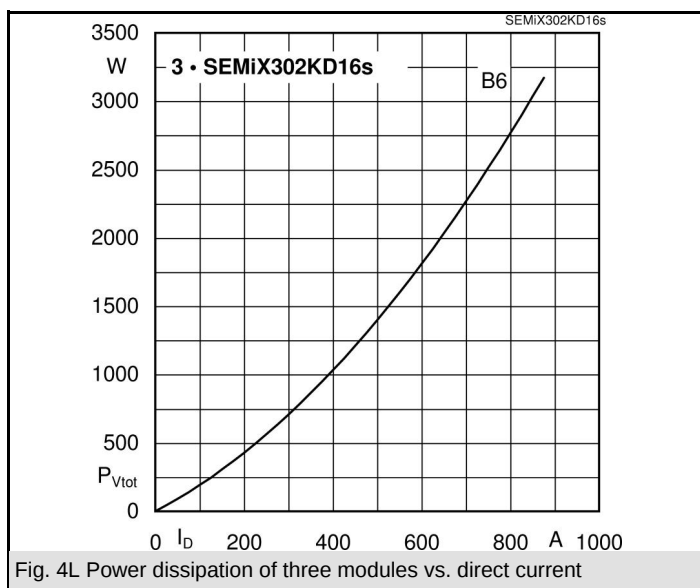
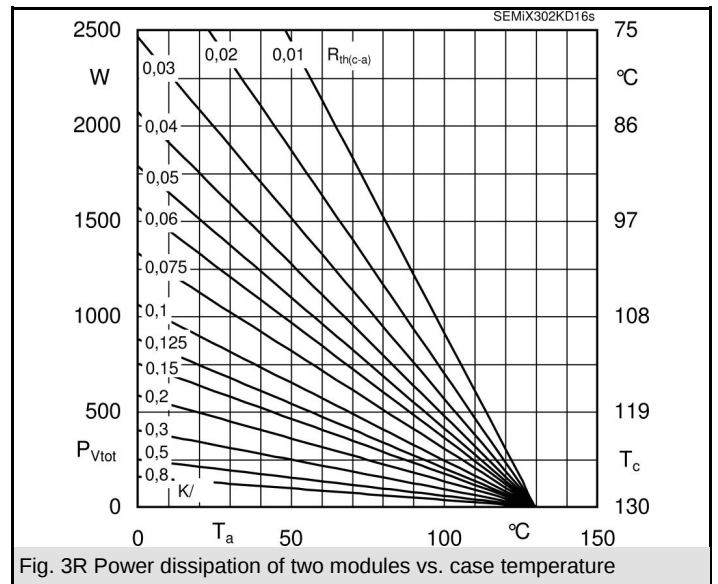
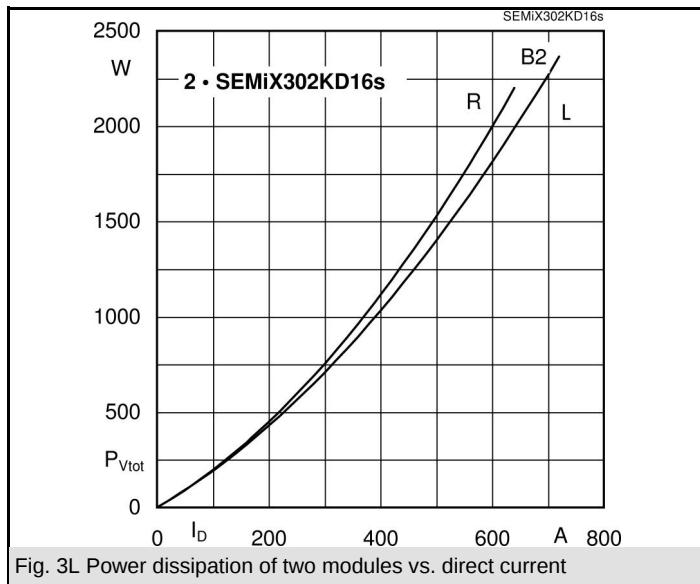
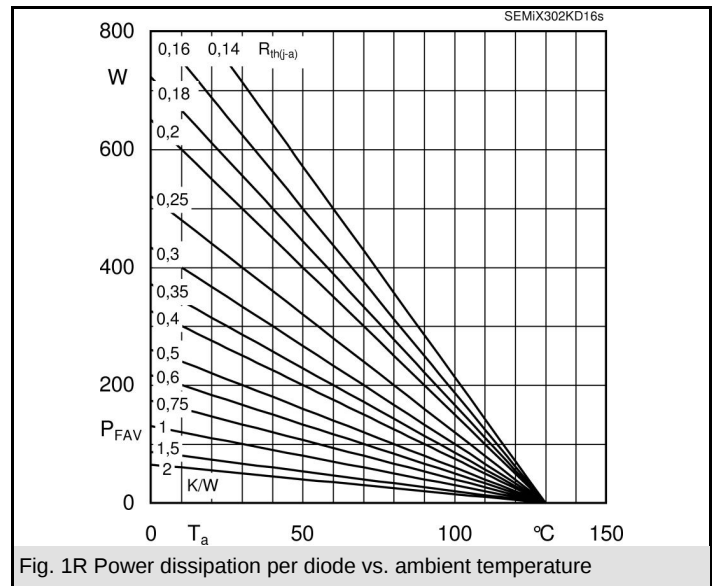
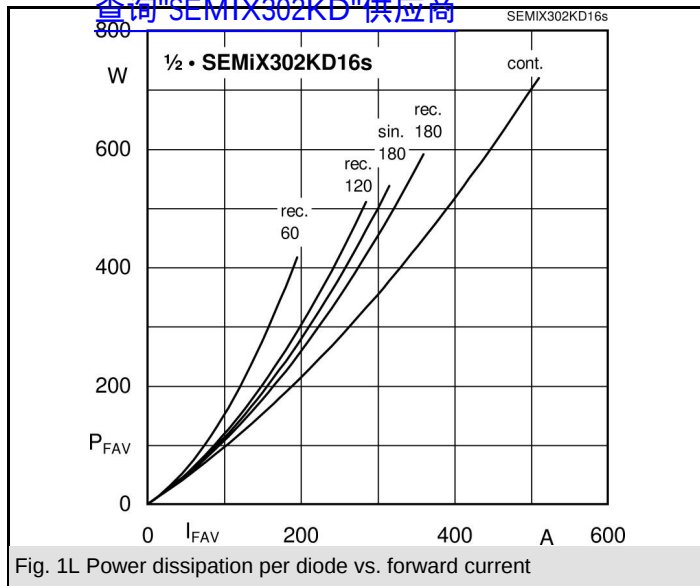
Typical Applications

- Input Bridge Rectifier for
- AC/DC motor control
- power supply

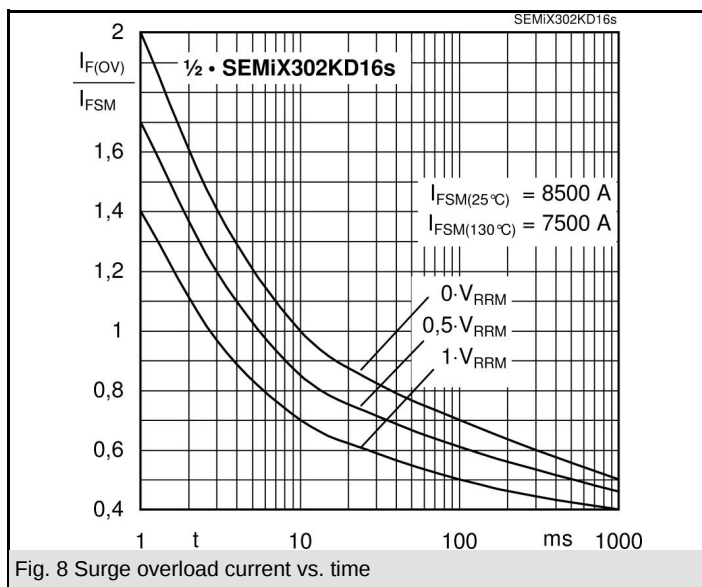
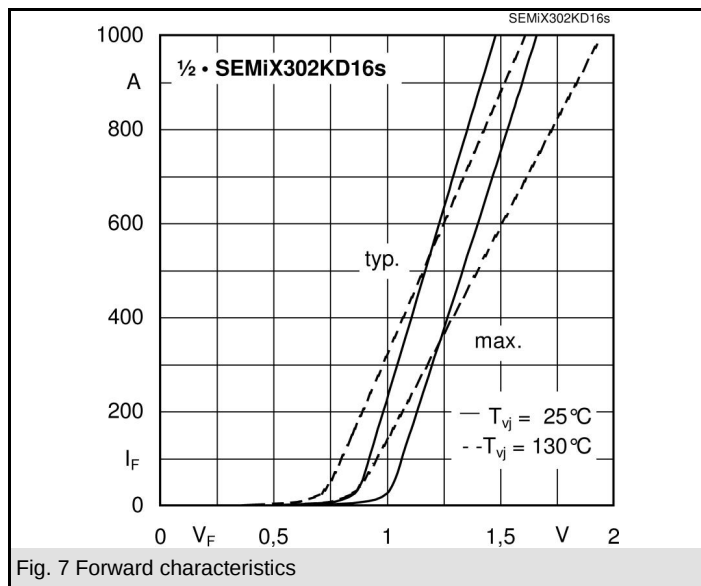
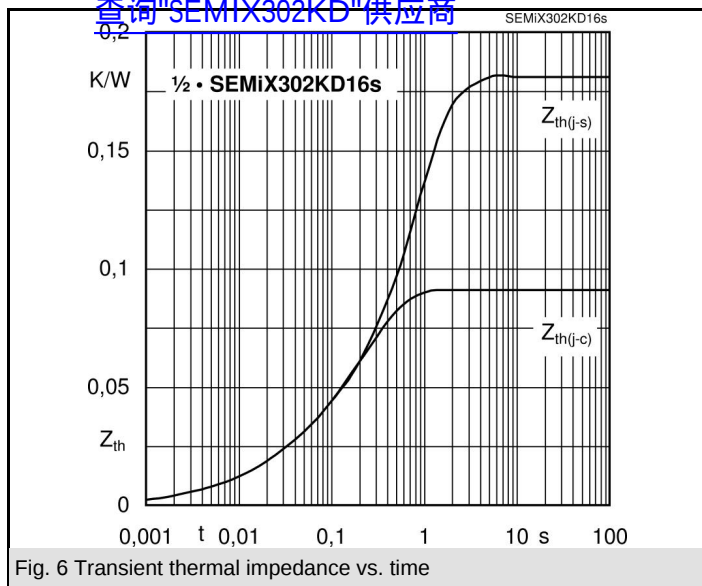
V_{RSM} V	V_{RRM} V	$I_{FRMS} = 510\text{ A}$ (maximum value for continuous operation) $I_{FAV} = 300\text{ A}$ (sin. 180; $T_c = 85 = ^\circ\text{C}$)	
1700	1600	SEMiX 302KD16s	

Symbol	Conditions	Values	Units
I_{FAV}	sin. 180; $T_c = 85\text{ (100) } ^\circ\text{C}$	300 (240)	A
I_{FSM}	$T_{vj} = 25\text{ } ^\circ\text{C}$; 10 ms $T_{vj} = 130\text{ } ^\circ\text{C}$; 10 ms	8500 7500	A A
i^2t	$T_{vj} = 25\text{ } ^\circ\text{C}$; 8,3 ... 10 ms $T_{vj} = 130\text{ } ^\circ\text{C}$; 8,3 ... 10 ms	361000 281000	A ² s A ² s
V_F	$T_{vj} = 25\text{ } ^\circ\text{C}$; $I_F = 900\text{ A}$	max. 1,6	V
$V_{(TO)}$	$T_{vj} = 130\text{ } ^\circ\text{C}$	max. 0,85	V
r_T	$T_{vj} = 130\text{ } ^\circ\text{C}$	max. 1,1	mΩ
I_{RD}	$T_{vj} = 130\text{ } ^\circ\text{C}$; $V_{RD} = V_{RRM}$	max. 15	mA
$R_{th(j-c)}$	per diode	0,091	K/W
$R_{th(c-s)}$	per module	0,045	K/W
T_{vj}		- 40 ... + 130	°C
T_{stg}		- 40 ... + 125	°C
V_{isol}	AC, 50Hz; rms; 1s/1min	4800 / 4000	V~
M_s	(min./max.)	3/5	Nm
M_t	(min./max.)	2,5/5	Nm
a		5 * 9,81	m/s ²
m	approx.	220	g
Case	SEMiX 2s		





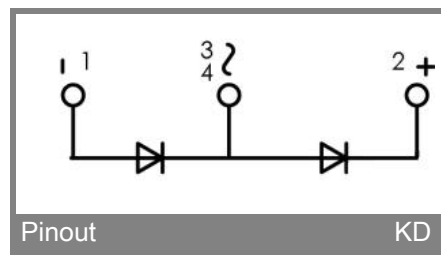
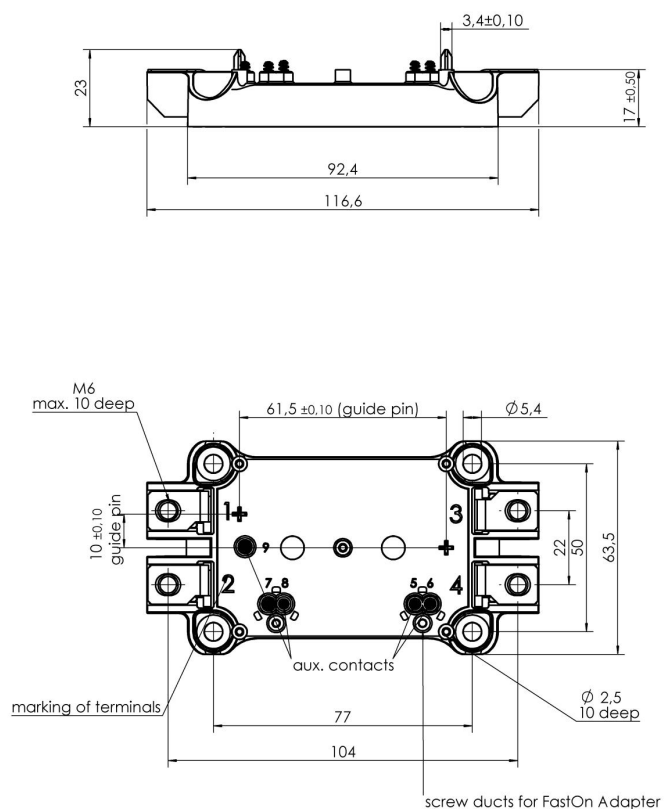
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case SEMiX2 rectifier

Dimensions in mm



Case SEMiX2s

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