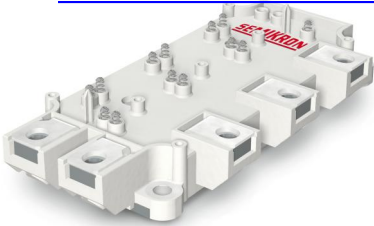


SEMiX 341D ...

[查询"SEMIX341D"供应商](#)



SEMiX® 13s

Bridge Rectifier Module
(uncontrolled)

SEMiX 341D

Preliminary Data

Features

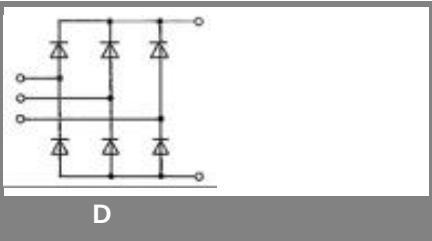
- Terminal height 17 mm
- Chips soldered directly to isolated substrate

Typical Applications

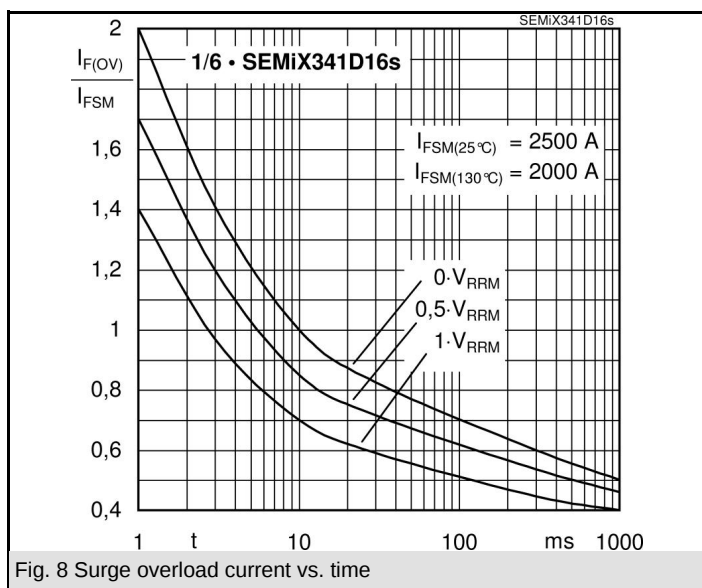
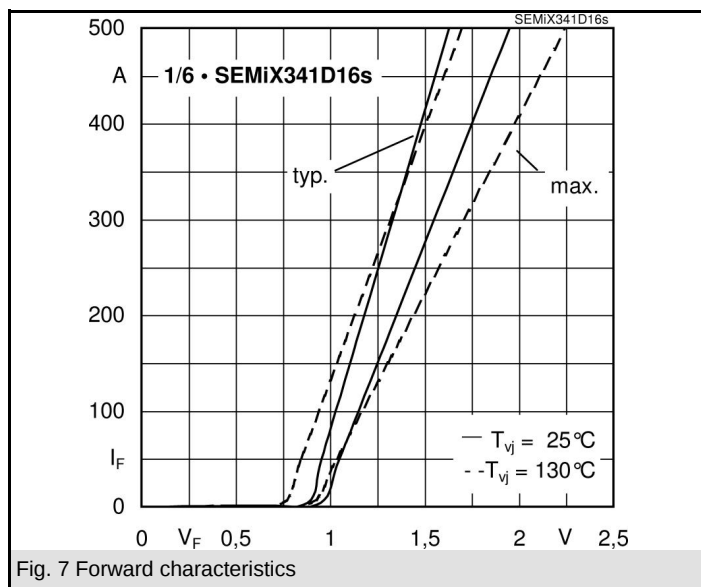
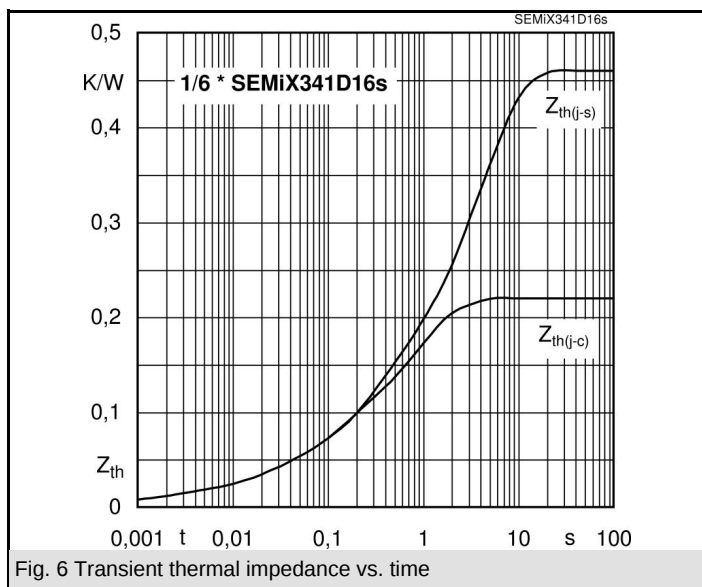
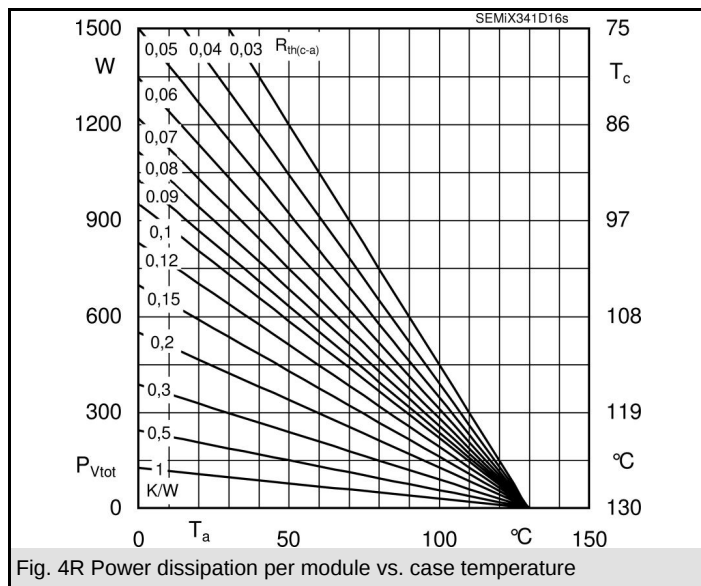
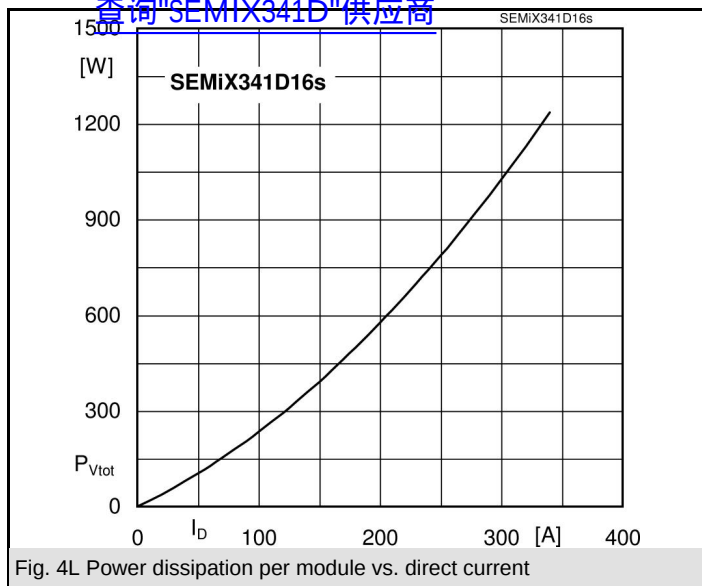
- Input Bridge Rectifier for
- AC/DC motor control
- power supply

V_{RSM} V	V_{RRM}, V_{DRM} V	$I_D = 340\text{ A (full conduction)}$ ($T_c = 85\text{ °C}$)
1700	1600	SEMiX 341D16s

Symbol	Conditions	Values	Units
I_D	$T_c = 85\text{ °C}$	340	A
	$T_c = 100\text{ °C}$	290	
I_{FSM}	$T_{vj} = 25\text{ °C}; 10\text{ ms}$	2500	A
	$T_{vj} = 130\text{ °C}; 10\text{ ms}$	2000	A
i^2t	$T_{vj} = 25\text{ °C}; 8,3 \dots 10\text{ ms}$	31200	A²s
	$T_{vj} = 130\text{ °C}; 8,3 \dots 10\text{ ms}$	20000	A²s
V_F	$T_{vj} = 25\text{ °C}; I_F = 400\text{ A}$	max. 1,75	V
$V_{(TO)}$	$T_{vj} = 130\text{ °C}$	max. 0,9	V
r_T	$T_{vj} = 130\text{ °C}$	max. 2,7	mΩ
I_{RD}	$T_{vj} = 130\text{ °C}; V_{DD} = V_{DRM}; V_{RD} = V_{RRM}$	max. 4,5	mA
$R_{th(j-c)}$	per diode	0,22	K/W K/W
$R_{th(c-s)}$	per module	0,04	K/W
T_{vj}		- 40 ... + 130	°C
T_{stg}		- 40 ... + 125	°C
V_{isol}	a. c. 50 Hz; r.m.s.; 1 s / 1 min.	4800 (4000)	V
M_s	(min./max.)	3/5	Nm
M_t	(min./max.)	2,5/5	Nm
a		5 * 9,81	m/s²
m		300	g
Case	SEMiX 13s		

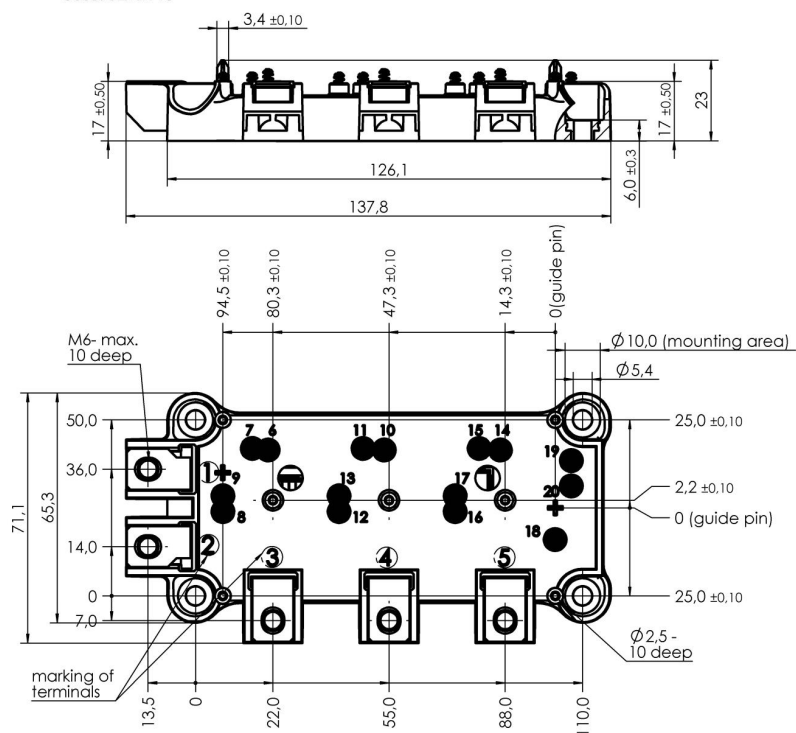


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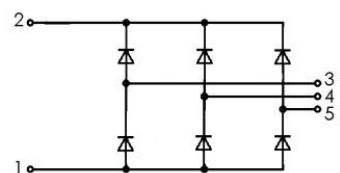


Dimensions in mm

case: SEMiX 13



Case SEMiX13s



D

pinout SEMiX13s

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