SKHE 3500/1550-2,0



High Voltage Rectifier

Rectifier	Diode
	Diodo

SKHE 3500/1550-2,0

Features

- Repetitive reverse voltage of 8000 V
- Epoxy case with screw terminals
- Can be series connected for higher voltage applications
- High I_{FSM} and i²t ratings
- Avalanche characteristics
- For use in air or oil

Typical Applications

- High voltage power supplies
- Measuring equipment
- RF transmission power supply
- Dust precipitators
- Lasers

Note:

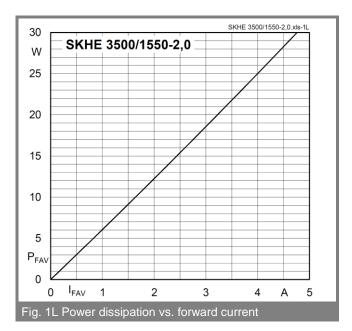
Recommended maximum AC input voltage: V_{VRMS} = 3500 V

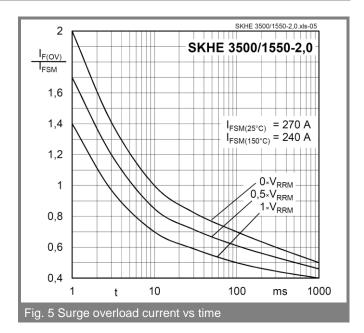
V _(BR)	$V_{RRM} \ V$	I_{FRMS} = 7 A (maximum value for continuous operation) I_{FAV} = 2,5 A (sin. 180; T_{oil} = 75 °C)
10000	8000	SKHE 3500/1550-2,0

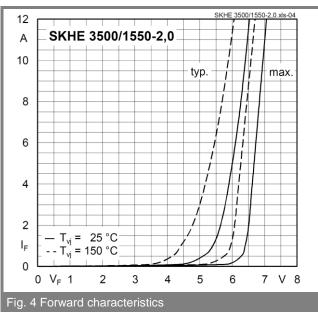
Symbol	Condition	Values	Units
I _{FAV}	sin. 180 ; T _{amb} = 45 °C	2,1	Α
I _{FSM} i ² t	T_{vi} = 25 °C ; 10 ms T_{vi} = 150 °C ; 10 ms T_{vj} = 25 °C ; 8,310 ms T_{vj} = 150 °C ; 8,310 ms	270 240 364 288	A A A ² s A ² s
$V_F \\ V_{(TO)} \\ r_T \\ I_{RD} \\ Q_{rr}$	$T_{vj} = 25 ^{\circ}\text{C}, I_F = 1,0 \text{A}$ $T_{vi} = 150 ^{\circ}\text{C}$ $T_{vj} = 150 ^{\circ}\text{C}$ $T_{vj} = 150 ^{\circ}\text{C}$; $V_R = V_{RRM}$	max. 6,70 max. 6,0 max. 63 max.1 5	V V mΩ mA μC
$\begin{array}{c} R_{th(j\text{-}c)} \\ R_{th(i\text{-}a)} \\ T_{vj} \\ T_{stg} \end{array}$		3 8 -40+150 -40+150	K/W K/W °C °C
V _{isol} M _s	to terminals (SI units) to terminals (US units) approx.	- 0,9 8 5 * 9,81 65	V~ Nm lb.in. m/s² g
Case		SKHE 2	

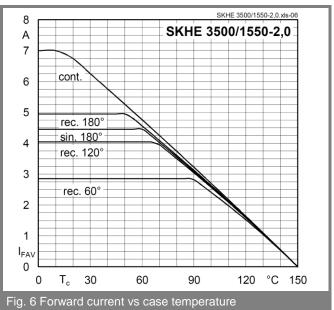


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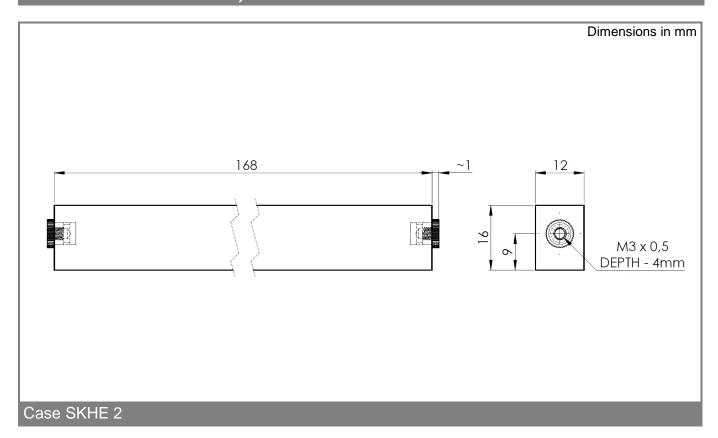








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