SKKE 1201/22



Rectifier Diode Modules

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Features

- Precisious metal pressure contacts for high reliability
- UL recognized, file no. E 63 532

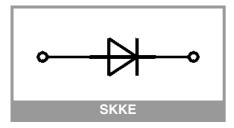
Typical Applications*

Rectifiers

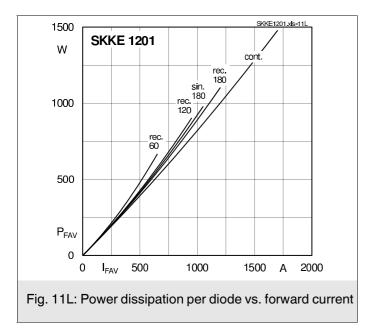
ADSOIULE	Maximum Rating	3	1			
Symbol	Conditions		Values			
Recitifier	Diode					
I _{FAV}	sin. 180°	T _c = 85 °C		1360		Α
	- 5111. 100	T _c = 100 °C		1100		А
I _{FRMS}	continuous operation			1700		
I _{FSM}	_ 10 ms	T _j = 25 °C		41000		Α
		T _j = 150 °C		35000		Α
i²t	_ 10 ms	T _j = 25 °C		8405000		A ² s
		T _j = 150 °C		6125000		A ² s
V _{RSM}				2300		V
V _{RRM}				2200		V
Tj				-40 150		°C
Module						
T _{stg}				-40 150		°C
V _{isol}	a.c.; 50 Hz; r.m.s.	1 min		3000		V
		1 s		3600		V
Characte	eristics					
Symbol	Conditions		min.	typ.	max.	Unit
Diode						

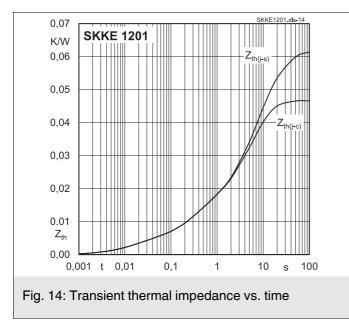
Diou
VF

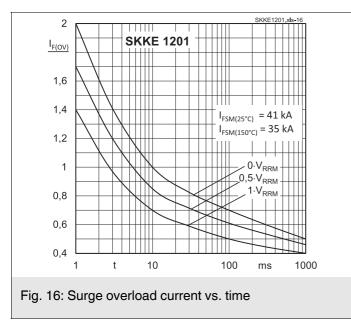
Symbol	Conditions	min.	typ.	max.	Unit	
Diode						
V _F	$T_j = 150 \ ^{\circ}C, I_F =$			1.11	V	
V _(TO)	T _j = 150 °C	T _j = 150 °C			0.75	V
r _T	T _j = 150 °C				0.073	mΩ
I _{RD}	$T_j = 150 \text{ °C}, V_{RD} = V_{RRM}$				150	mA
R _{th(j-c)}	- cont.	per chip			0.0466	K/W
		per module			0.0466	K/W
R _{th(j-c)}		per chip			0.048	K/W
	511. 100	per module			0.048	K/W
Module						
R _{th(c-s)}	chip				0.015	K/W
	module				0.015	K/W
Ms	to heatsink M6		5.1		6.9	Nm
Mt	to terminal M1	to terminal M12			19.8	Nm
а					5 * 9,81	m/s²
w				1950		g

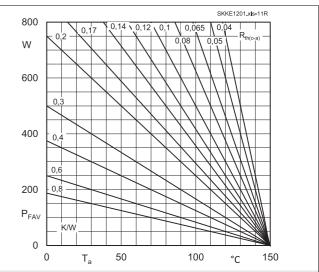


SKKE 1201/22

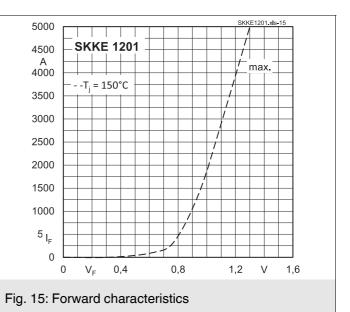






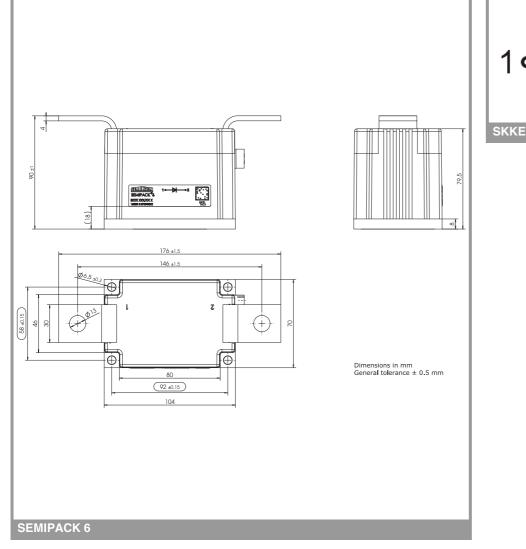








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o 2