

FEATURES

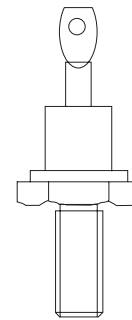
- 1). Reverse voltages up to 1600V
- 2). Hermetic metal case with glass insulator
- 3). Threaded stud ISO M6
- 4). SKN: anode to stud

MAJOR RATINGS AND CHARACTERISTICS

V_{RSM}	V_{RRM}	$I_{FRMS}=40A$ (maximum value for continuous operation) $I_{FAV}=25A$ (sin. 180° ; $T_C=100^\circ C$)
V	V	
400	400	SKN 26/04
800	800	SKN 26/08
1200	1200	SKN 26/12
1400	1400	SKN 26/14
1600	1600	SKN 26/16

TYPICAL APPLICATIONS

- 1). All-purpose mean power rectifier diodes
- 2). Cooling via metal plates or heatsinks
- 3). Non-controllable and half-controllable rectifiers
- 4). Free-wheeling diodes
- 5). Recommended snubber network:
 $RC: 0,05 \mu F, 200 \Omega (P_R=1W),$
 $R_p=150K \Omega (P_R=4W)$



ELECTRICAL SPECIFICATIONS

Symbol	Conditions	Values	V
I_{FAV}	sin. 180; $T_C=100^\circ C$	25	A
I_D	K 9; $T_a=45^\circ C$; B2/B6	20/29	A
	K 3; $T_a=45^\circ C$; B2/B6	35/50	A
I_{FSM}	$T_{vj}=25^\circ C$; 10ms	375	A
	$T_{vj}=180^\circ C$; 10ms	320	A
I^2t	$T_{vj}=25^\circ C$; 8,3 ... 10ms	700	A ₂ S
	$T_{vj}=180^\circ C$; 8,3 ... 10ms	510	A ₂ S
V_F	$T_{vj}=25^\circ C$; $I_F=60A$	max. 1.55	V
$V_{(TO)}$	$T_{vj}=180^\circ C$	0.85	V
r_T	$T_{vj}=180^\circ C$	11	mΩ
I_{RD}	$T_{vj}=180^\circ C$; $V_{RD}=V_{RRM}$	max. 4	mA
Q_{rr}	$T_{vj}=160^\circ C$; $-di_F/dt=10A \mu s$	20	μC
$R_{th(j-c)}$		2	K/W
$R_{th(c-s)}$		1	K/W
T_{vj}		-40 ... +180	°C
T_{stg}		-55 ... +180	°C

Symbol	Conditions	Values	V
V_{isol}		-	V~
M_s	to heatsink	2.0	Nm
a		5*9.81	m/s ²
m	approx.	8	g
Case		E8	

PERFORMANCE CURVES FIGURE

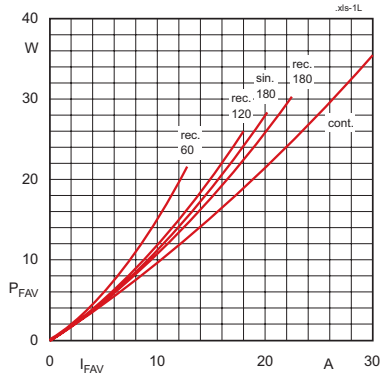


Fig. 1L Power dissipation vs. forward current

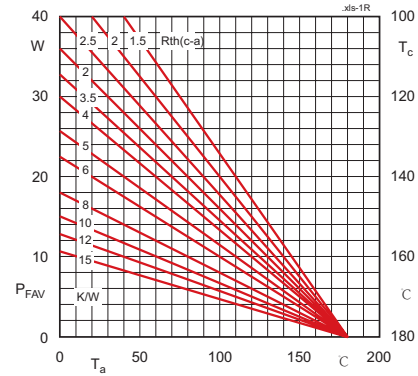


Fig. 1R Power dissipation vs. ambient temperature

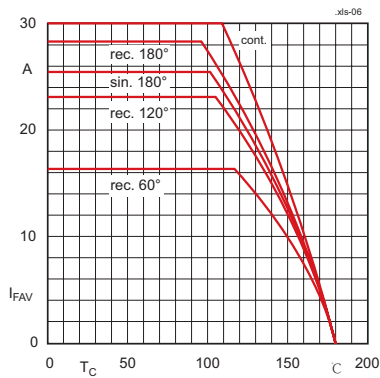


Fig. 2 Forward current vs. case temperature

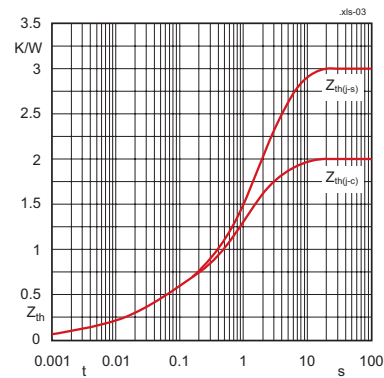


Fig. 4 Transient thermal impedance vs. time

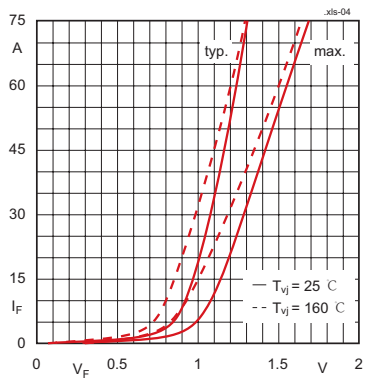


Fig. 3 Forward current vs. forward voltage

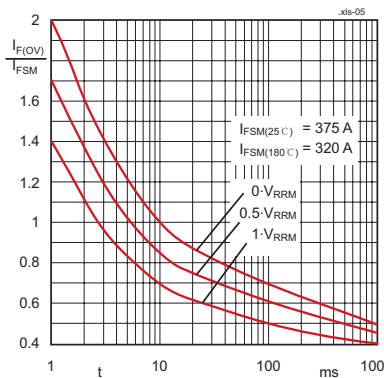
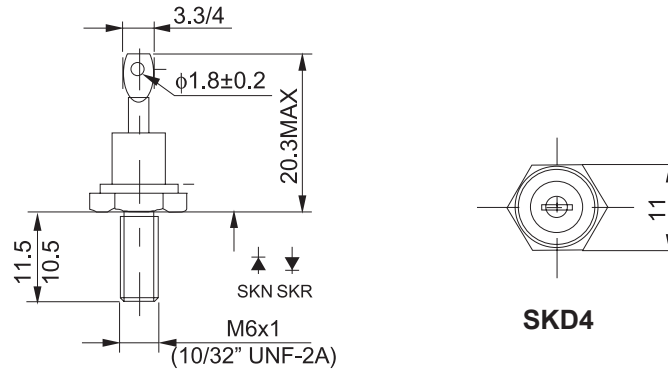


Fig. 5 Forward current vs. time

OUTLINE



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