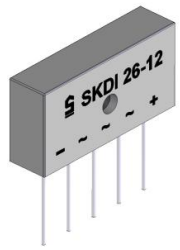
SKDI 26



3~phase

SKDI 26

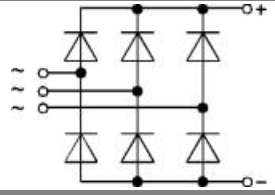
Preliminary Data

Features

- In-line isolated metal case with wired connectors
- Heat sink mounting not on the marking side
- Blocking voltage to 1600V
- High surge current
- Easy mounting
- UL recognized, file no. E 63 532

Typical Applications

- Three phase rectifier for power supplies
- Input rectifier for variable frequency drives
- Rectifier for DC motor field supplies
- Battery charger
- Recommended snubber network: RC: 50Ω, 0,1µF



V_{RSM}, V_{RRM} V	V_{VRMS} V	I_D = 20 A (T_A = 50 °C) Types	C_{max} µF	R_{min} Ω
200	60	SKDI 26/02	25000	0,15
400	125	SKDI 26/04	12200	0,3
600	185	SKDI 26/06	8300	0,5
800	250	SKDI 26/08	6100	0,7
1000	310	SKDI 26/10	5000	0,85
1200	380	SKDI 26/12	4000	1
1400	440	SKDI 26/14	3500	1,2
1600	500	SKDI 26/16	3000	1,5

Symbol	Conditions	Values	Units
I_D	T_a = 50 °C, isolated	4	A
	T_a = 50 °C, P1A/120	20	A
I_{DCL}	T_a = 50 °C, isolated	4	A
	T_a = 50 °C, P1A/120	20	A
	T_a = °C,		A
I_{FSM}	T_{vj} = 25 °C, 10 ms	370	A
	T_{vj} = 150 °C, 10 ms	320	A
i²t	T_{vj} = 25 °C, 8,3 ... 10 ms	680	A²s
	T_{vj} = 150 °C, 8,3 ... 10 ms	500	A²s
V_F	T_{vj} = 25°C, I_F = 12,5 A	max. 1,1	V
$V_{(TO)}$	T_{vj} = 150°C	max. 0,85	V
r_T	T_{vj} = 150°C	max. 12	mΩ
I_{RD}	T_{vj} = 25°C, V_{RD}=V_{RRM} = 1600 V	300	µA
	T_{vj} = °C, V_{RD}=V_{RRM} ≥ V		µA
I_{RD}	T_{vj} = 150°C, V_{RD}=V_{RRM} = 1600 V	5	mA
	T_{vj} = °C, V_{RD}=V_{RRM} ≥ V		mA
t_{rr}	T_{vj} = 25°C	10	µs
f_G		2000	Hz
$R_{th(j-a)}$	isolated	8	K/W
	chassis	5,1	K/W
$R_{th(j-c)}$	total	4,1	K/W
$R_{th(c-s)}$	total	0,15	K/W
T_{vj}		-50...+150	°C
T_{stg}		-50...+150	°C
V_{isol}	a.c. 50..60Hz;r.m.s.;1s/1min	3000/2500	V~
M_s	to heatsink	2±10%	Nm
M_t			Nm
a			m/s²
w		35	g
Fu		40	A
Case			

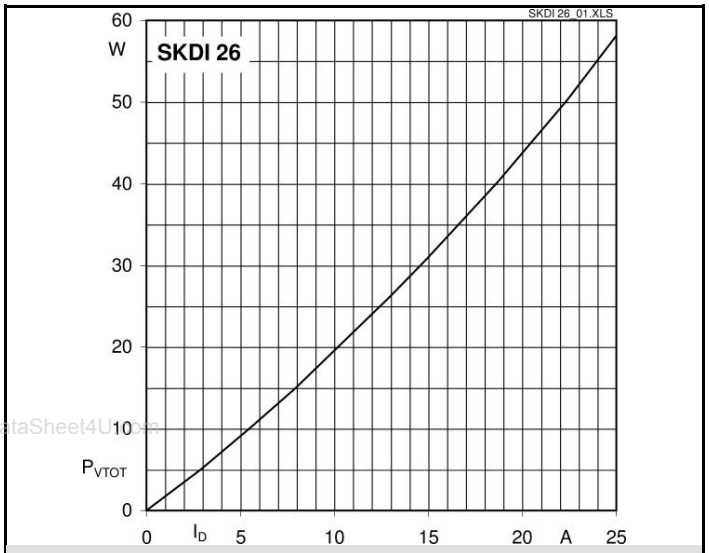


Fig. 3L Power dissipation vs. output current

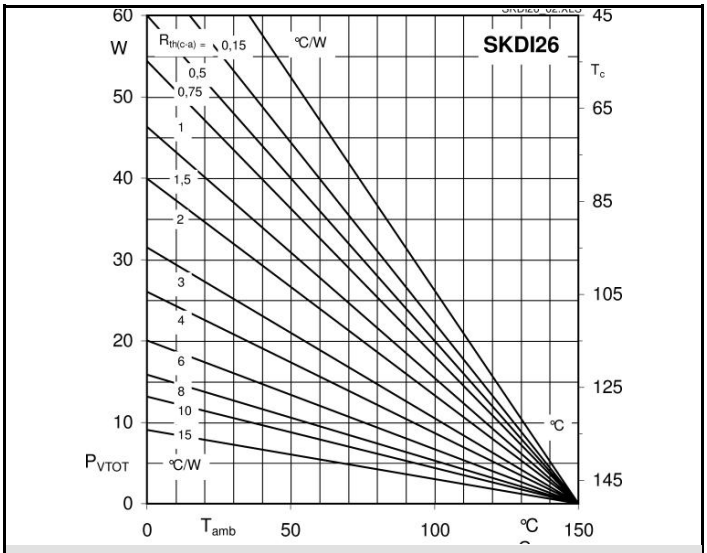


Fig. 3R Power dissipation vs. case temperature

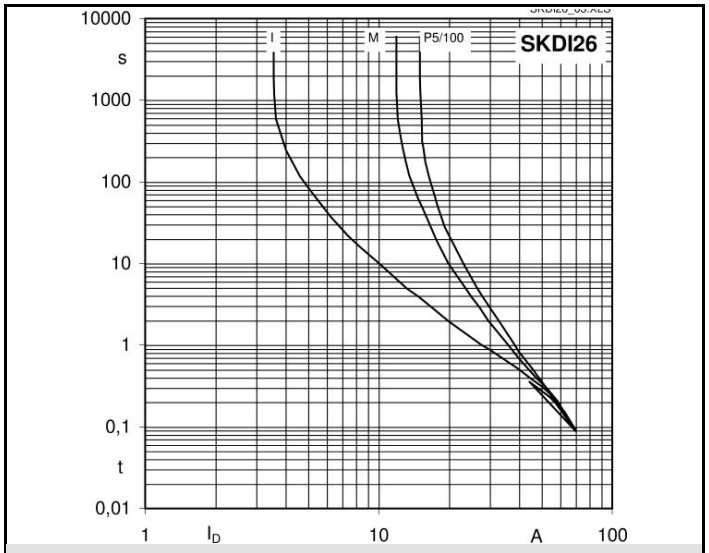


Fig. 6 Rated overload characteristics vs. time

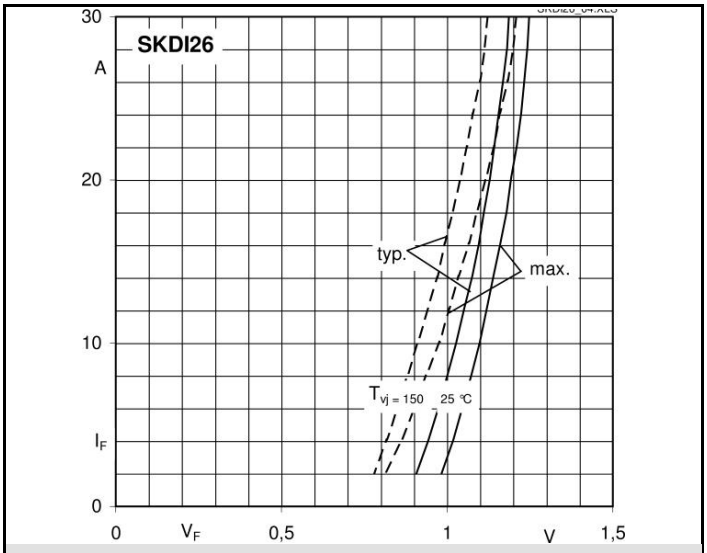
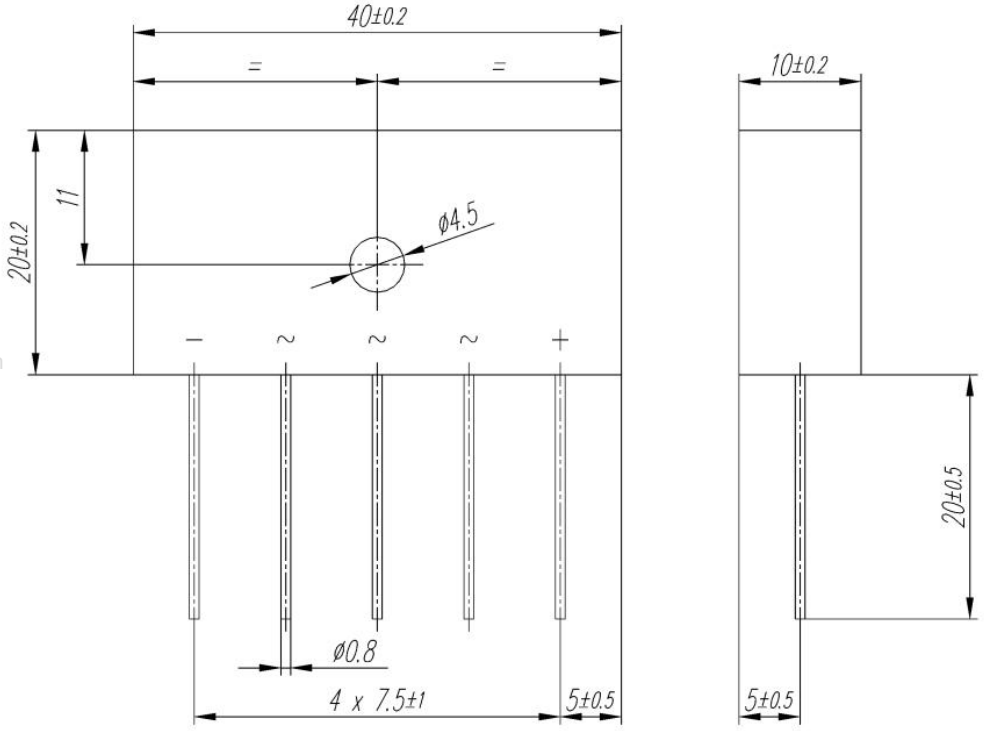


Fig. 9 Forward characteristics of a diode arm

Dimensions in mm



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