

V _{RSM}	V_{RRM}, V_{DRM}	I _{TRMS} = 110 A (maximum value for continuous operation)		
V	V	I _{TAV} = 55 A (sin. 180; T _c = 92 °C)		
500	400	SKT 55/04D		
700	600	SKT 55/06D		
900	800	SKT 55/08D		
1300	1200	SKT 55/12E		
1500	1400	SKT 55/14E		
1700	1600	SKT 55/16E		
1900	1800	SKT 55/18E		

Stud Thyristor

Line Thyristor

SKT 55

Features

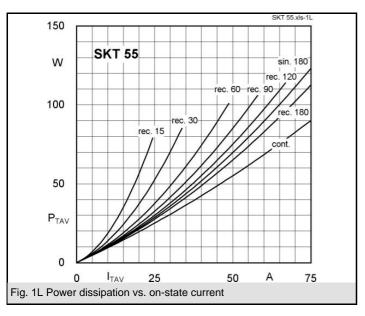
- Hermetic metal case with glass insulator
- Threaded stud ISO M12
- · International standard case

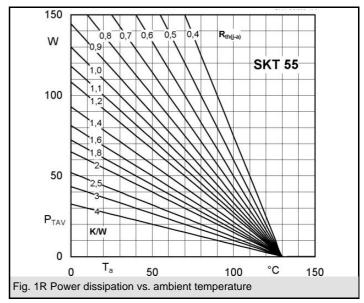
Typical Applications*

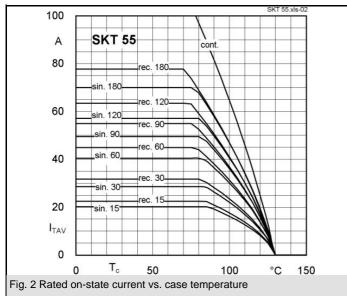
- DC motor control (e. g. for machines tools)
- Controlled rectifiers(e. g. for battery charging)
- AC controllers
 (e. g. for temperature control)
- Recommended snubber network e. g. for $V_{VRMS} \le 400 \text{ V}$: R = 47 $\Omega/10 \text{ W}$, C = 0,22 μF

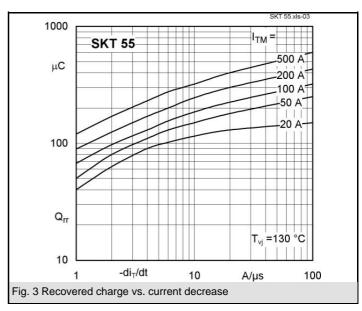
Symbol	Conditions	Values	Units
I _{TAV}	sin. 180; T _c = 100 (85) °C;	47 (63)	Α
I _D	K3; T _a = 45 °C; B2 / B6	42 / 60	Α
5	K1,1; T _a = 45 °C; B2 / B6	76 /110	Α
I _{RMS}	K3; T _a = 45 °C; W1C	46	Α
I _{TSM}	T _{vi} = 25 °C; 10 ms	1300	Α
	T _{vi} = 130 °C; 10 ms	1100	Α
i²t	T _{vj} = 25 °C; 8,35 10 ms	8500	A²s
	T _{vj} = 130 °C; 8,35 10 ms	6000	A²s
V _T	T _{vi} = 25 °C; I _T = 200 A	max. 1,8	V
$V_{T(TO)}$	T _{vi} = 130 °C	max. 0,9	V
r _T	T _{vi} = 130 °C	max. 4	mΩ
I_{DD} ; I_{RD}	$T_{vj} = 130 ^{\circ}\text{C}; V_{RD} = V_{RRM}; V_{DD} = V_{DRM}$	max. 25	mA
t _{gd}	$T_{vj} = 25 ^{\circ}\text{C}; I_{G} = 1 \text{A}; di_{G}/dt = 1 \text{A/}\mu\text{s}$	1	μs
t_gr	$V_{D} = 0.67 * V_{DRM}$	2	μs
(di/dt) _{cr}	T _{vi} = 130 °C	max. 50	A/µs
(dv/dt) _{cr}	T _{vj} = 130 °C ; SKTD / SKTE	max. 500 / 1000	V/µs
t_q	$T_{vj} = 130 ^{\circ}\text{C}$,	100	μs
IH	T_{vj} = 25 °C; typ. / max.	150 / 250	mA
I_L	T _{vj} = 25 °C; typ. / max.	300 / 600	mA
V_{GT}	T _{vj} = 25 °C; d.c.	min. 3	V
I_GT	$T_{vj} = 25 ^{\circ}\text{C}; \text{d.c.}$	min. 150	mA
V_{GD}	$T_{vj} = 130 ^{\circ}\text{C}; \text{d.c.}$	max. 0,25	V
I_{GD}	$T_{vj} = 130 ^{\circ}\text{C}; \text{d.c.}$	max. 10	mA
R _{th(j-c)}	cont.	0,4	K/W
R _{th(j-c)}	sin. 180	0,47	K/W
$R_{th(j-c)}$	rec. 120	0,53	K/W
$R_{th(c-s)}$		0,08	K/W
T_{vj}		- 40 + 130	°C
T_{stg}		- 55 + 150	°C
V _{isol}		-	V~
M_s	to heatsink	10	Nm
а		5 * 9,81	m/s²
m	approx.	100	g
Case		B 5	

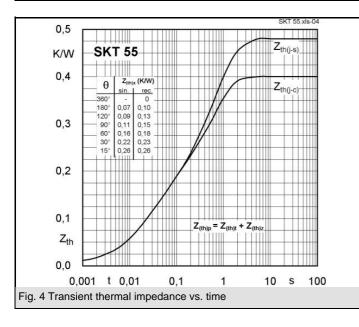


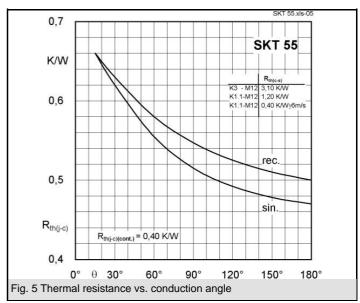




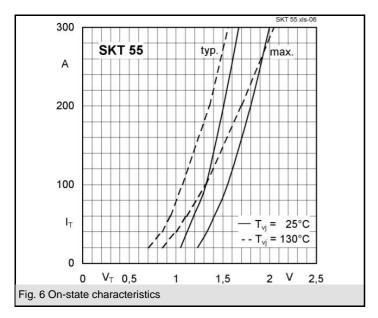


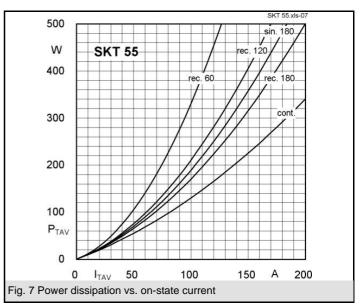


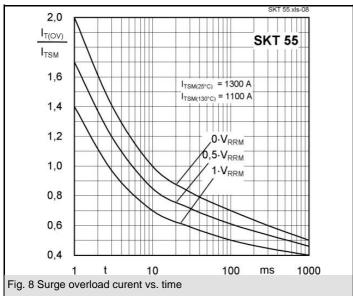


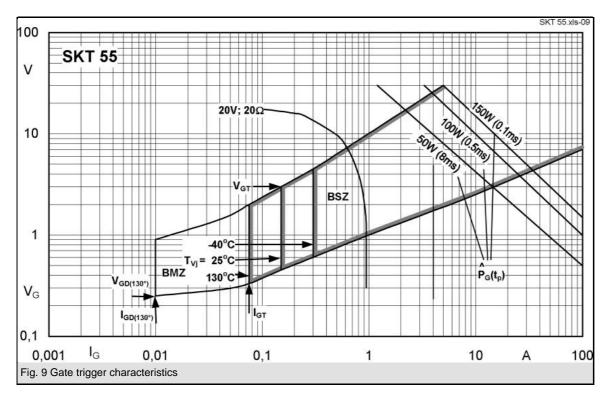


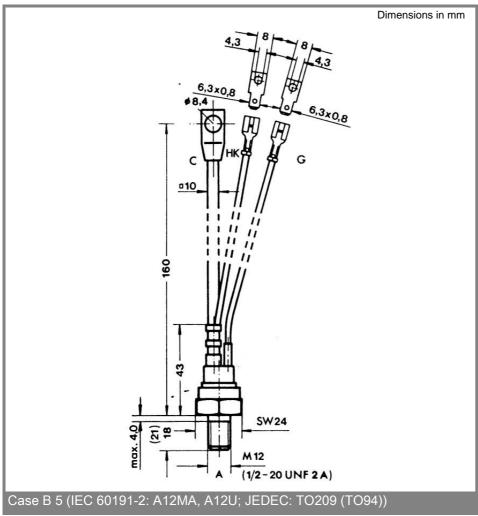
SKT 55











^{*} The specifications of our components may not be considered as an assurance of component characteristics. Components have to be tested for the respective application. Adjustments may be necessary. The use of SEMIKRON

SKT 55

products in life support appliances and systems is subject to prior specification and written approval by SEMIKRON. We therefore strongly recommend prior consultation of our personal.

5 12-02-2010 CRG © by SEMIKRON

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for SCRs category:

Click to view products by Semikron manufacturer:

Other Similar products are found below:

NTE5428 NTE5448 NTE5457 NTE5511 T1500N16TOF VT T720N18TOF T880N14TOF T880N16TOF TS110-7UF TT104N12KOF-A
TT104N12KOF-K TT162N16KOF-A TT162N16KOF-K TT330N16AOF VS-16RIA100 VS-22RIA20 VS-2N5206 VS-2N685 VS40TPS08A-M3 VS-ST230S12P1VPBF 057219R CLB30I1200HB T1190N16TOF VT T1220N22TOF VT T201N70TOH T830N18TOF
TD92N16KOF-A TT250N12KOF-K VS-2N692 VS-2N689 VS-25RIA40 VS-16RIA120 VS-10RIA120 VS-30TPS08PBF NTE5427
NTE5442 VS-2N690 VS-ST300S20P0PBF TT251N16KOF-K VS-22RIA100 VS-16RIA40 CR02AM-8#F00 VS-ST110S12P0VPBF
TD250N16KOF-A VS-ST110S16P0 VS-10RIA10 VS-16TTS08-M3 TS110-7A1-AP T930N36TOF VT T2160N24TOF VT