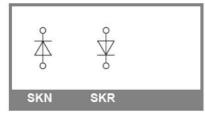
SKN 60F

0	V _{RSM} V _{RRM}		I _{ERMS} = 120 A (maximum value for continuous operation)		
	V	V		I _{FAV} = 60 A (sin. 180; 1000 Hz; T _c = 100 °C)	
3	1200	1200	SKN 60F12	SKR 60F12	
	1400	1400	SKN 60F14	SKR 60F14	
SEMIKEEN	1500	1500	SKN 60F15	SKR 60F15	
SKNOOFIAT	1700	1700	SKN 60F17	SKR 60F17	
	Symbol	Conditions		Values	Units
	IFAV	sin. 180; T _c = 85 (100) °C		75 (60)	A
Stud diode	I _{FAV}	K3; T _a = 45 °C; sin. 180; 1000 Hz		21,5	A
	IFSM	T _{vj} = 25 °C; 10 ms T _{vj} = 150 °C; 10 ms		1400	A
				1200	A
Fast Recovery Rectifier	i ² t	T _{vj} = 25 °C; 8,3 10 ms		9800	A ² s
Diode		T _{vj} = 150 °C; 8,3 10 ms		7200	A ² s
	V _F	T _{vi} = 25 °C; I _F = 150 A		max. 1,75	V
	V _(TO)	T _{vj} = 150 °C		max. 1	V
SKN 60F	r _T	T _{vj} = 150 °C		max. 4	mΩ
SKR 60F	IRD	$T_{vj} = 25 \text{ °C}; V_{RD} = V_{RRM}$		max. 0,4	mA
	IRD	T _{vj} = 150 °C; V _{RD} = V _{RRM}		max. 60	mA
	Q _{rr}	T _{vi} = 150 °C, I _F = 100 A,		75	μC
	IRM	-di/dt = 100 A/µs, V _R = 30 V		70	A
	t _{rr}			2100	ns
Fasturas	Err			12	mJ
Features	R _{th(j-c)}			0,5	K/W
 Small recovered charge 	R _{th(c-s)}			0,25	K/W
 Soft recovery 	T _{vj}			- 40 + 150	°C
Up to 1500 V reverse voltage	Tstg			- 5 5 + 150	°C
 Hermetic metal case with glass 	V _{isol}			-	V~
insulator	Ms	to heatsink		2,5	Nm
 Threaded studs ISO M6 and M8 	a			5 * 9,81	m/s ²
 SKN: anode to stud; SKR: cathode to stud 	m	approx.		20	g
	Case			E 10	
Typical Applications*					
 Inverse diodes for power 					
transistors, GTO thyristors,	88:				
asymmetric thyristors					
SMPS invertore channers					



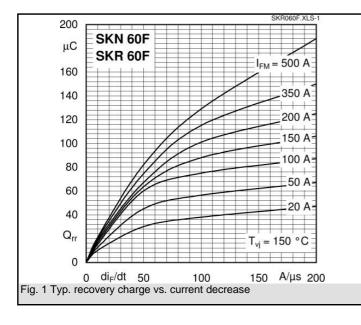
 SMPS, inverters, choppers • A.C. motor control, uninterruptible

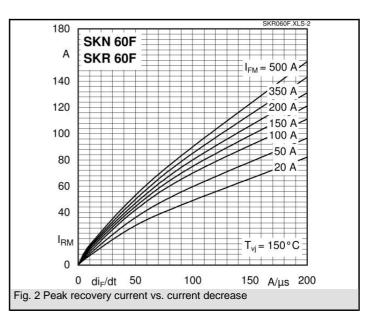
power supplies (UPS)

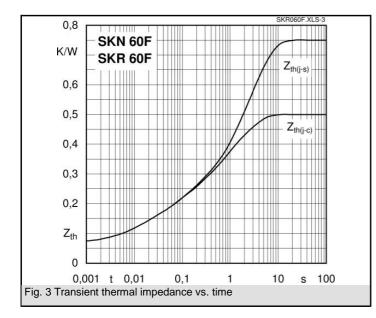
05-04-2004 SCT

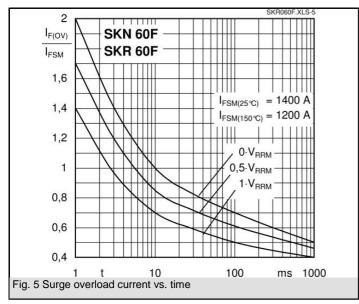
© by SEMIKRON

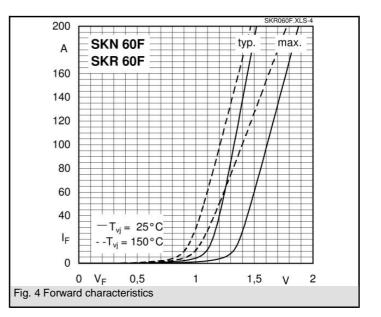
RECTIFIER, DIODE, THYRISTOR, MODULE



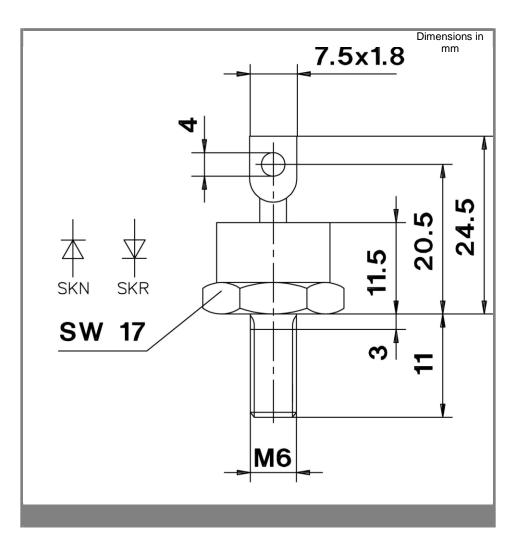








RECTIFIER, DIODE, THYRISTOR, MODULE



* 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 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.