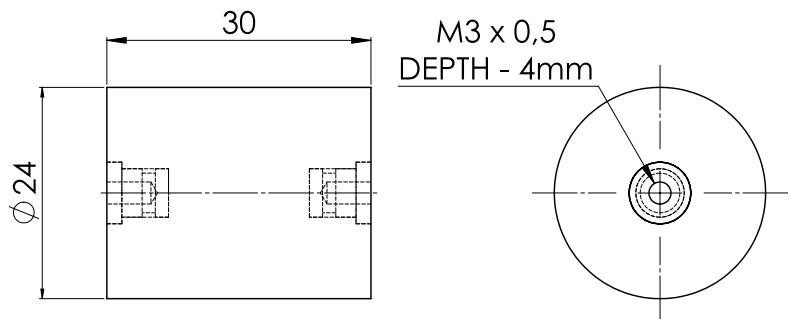


Discretes / Diodes / HV Screw Axial

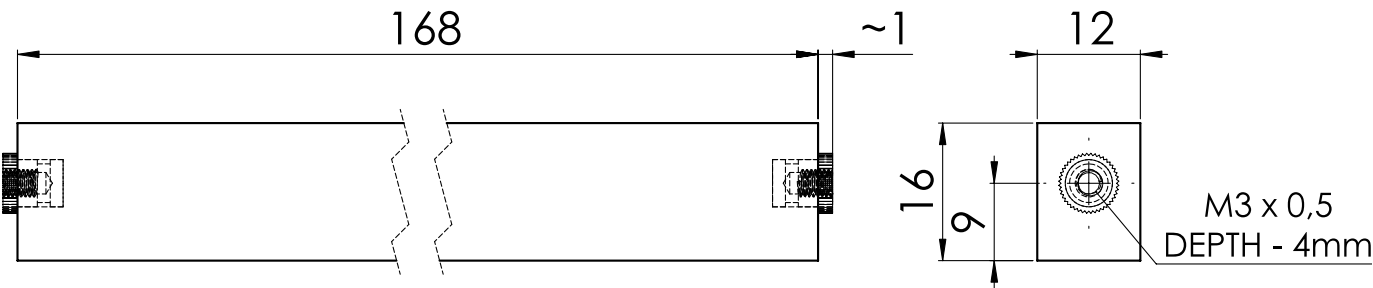
Type	Voltage (V)	I_{FAV} @ T_{oil}	T_{oil}	I_{FSM} @ $T_j=25^{\circ}C$	V_F	$R_{th(j-a)}$ per chip	T_j	Case	Circuit
	V	A	°C	A	V	K/W	°C		
SKHE 2000/900-1,2	4800	1.5	75	135	3.60	21	-40 ... +150	SKHE 1	
SKHE 3500/1550-2,0	8000	2.5	75	270	6.70	8	-40 ... +150	SKHE 2	

Cases

SKHE 1



SKHE 2



Dimensions in mm

Discretes / Diodes / Leaded

Type	Voltage (V)	Current (A)	T_c	I_{FSM} @ $T_j=25^{\circ}C$	V_F	$R_{th(j-a)}$ per chip	T_j	Case	Circuit
	V	A	°C	A	V	K/W	°C		
Standard recovery									
SK 1	1000-1600	1.45	85	60	1.50	85	-40 ... +150	E33	
SKN 2,5 2)	400-1600	2.5	173	180	1.20	55	-40 ... +180	E5	
SK 3	400-1600	3	92	180	1.20	60	-40 ... +150	E34	
SKN 5 2)	200-1600	5	169	190	1.25	25	-40 ... +180	E6	
SK 6 2)	400-1600	6	46	375	1.10	55	-40 ... +150	SK6	

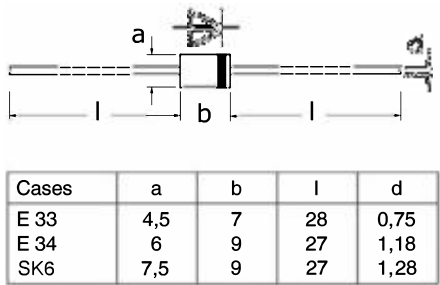
Avalanche

SKa1	1300-1700	1	85	60	1.50	85	-40 ... +150	E33	
SKNa2 2)	1300-1700	2	175	180	1.20	2.5	-40 ... +150	E5	
SKa3	1300-1700	3	92	180	1.20	60	-40 ... +150	E34	
SKNa4 2)	1300-1700	4	171	190	1.20	25	-40 ... +150	E6	
SKa 6 2)	1300-2000	6	46	375	1.10	55	-40 ... +150	SK6	

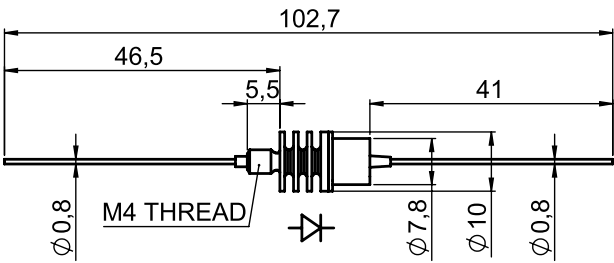
Footnotes: 2) In production new

Cases

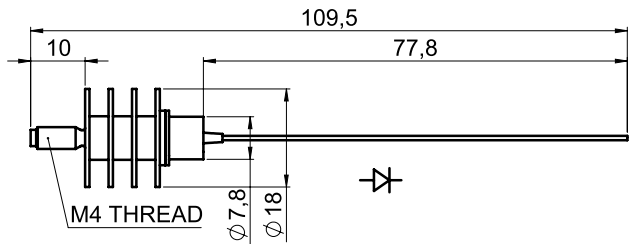
E33 / E34 / SK6



E5



E6



Dimensions in mm

Discretes / Diodes / Stud Screw Fit

Type									
	Voltage (V)	Current (A)	T _c	I _{FSM} @T _j =25°C	V _F	R _{th(j-c)} per chip	T _j	Case	
	V	A	°C	A	V	K/W	°C		Circuit
Standard recovery									
SKN 20	400-1600	20	125	375	1.55	2	-40 ... +180	E9	
SKN 26	400-1600	25	100	375	1.55	2	-40 ... +180	E8	
SKN 45	400-1600	45	125	700	1.60	0.85	-40 ... +180	E12	
SKN 70	400-1600	70	125	1150	1.50	0.55	-40 ... +180	E12	
SKN 71	400-1600	70	125	1150	1.50	0.55	-40 ... +180	E11	
SKN 94	200-1200	96	141	2000	1.20	0.35	-40 ... +180	E12	
SKN 96	200-1200	96	141	2000	1.20	0.35	-40 ... +180	E10	
SKN 100	400-1800	100	120	1750	1.55	0.45	-40 ... +180	E13	
SKN 130	400-1800	130	125	2500	1.50	0.35	-40 ... +180	E14	
SKN 152	200-1200	152	139	4500	1.40	0.22	-40 ... +180	DO-8	
SKN 240	400-1800	240	125	6000	1.40	0.2	-40 ... +180	E15	
SKN 262	2000-2800	262	115	6000	1.40	0.2	-40 ... +180	E45	
SKN 300	400-1600	300	124	6500	1.40	0.15	-40 ... +180	E15	
SKN 320	400-1600	320	125	9000	1.35	0.16	-40 ... +180	E16	
SKN 390	400-1600	390	117	9000	1.35	0.13	-40 ... +180	E15	
SKN 400	1800-3600	400	100	9000	1.45	0.11	-40 ... +160	E17	
SKN 600 ²⁾	400-1600	600	105	14000	1.33	0.1	-40 ... +180	E16	
SKR 20	400-1600	20	125	375	1.55	2	-40 ... +180	E9	
SKR 26	400-1600	25	100	375	1.55	2	-40 ... +180	E8	
SKR 45	400-1600	45	125	700	1.60	0.85	-40 ... +180	E12	
SKR 70	400-1600	70	125	1150	1.50	0.55	-40 ... +180	E12	
SKR 71	400-1600	70	125	1150	1.50	0.55	-40 ... +180	E11	
SKR 94	200-1200	96	141	2000	1.20	0.35	-40 ... +180	E12	
SKR 96	200-1200	96	141	2000	1.20	0.35	-40 ... +180	E10	
SKR 100	400-1800	100	120	1750	1.55	0.45	-40 ... +180	E13	
SKR 130	400-1800	130	125	2500	1.50	0.35	-40 ... +180	E14	
SKR 152	200-1200	152	139	4500	1.40	0.22	-40 ... +180	DO-8	
SKR 240	400-1800	240	125	6000	1.40	0.2	-40 ... +180	E15	
SKR 262	2000-2800	262	115	6000	1.40	0.2	-40 ... +180	E45	
SKR 300	400-1600	300	124	6500	1.40	0.15	-40 ... +180	E15	
SKR 320	400-1600	320	125	9000	1.35	0.16	-40 ... +180	E16	
SKR 390	400-1600	390	117	9000	1.35	0.13	-40 ... +180	E15	
SKR 400	1800-3600	400	100	9000	1.45	0.11	-40 ... +160	E17	
SKR 600 ²⁾	400-1600	600	105	14000	1.33	0.1	-40 ... +180	E16	
Fast recovery									
SKN 2F17	400-1000	17	113	450	2.15	1.2	-40 ... +150	E7	
SKN 3F20	800-1200	20	104	375	2.15	1.2	-40 ... +150	E7	
SKN 2F50	400-1000	50	105	1100	1.80	0.5	-40 ... +150	E10	
SKN 60F	1200-1700	60	100	1400	1.75	0.5	-40 ... +150	E10	
SKN 135F	800-1200	135	100	2500	1.95	0.2	-40 ... +150	E14	
SKN 136F	800-1200	135	100	2500	1.95	0.2	-40 ... +150	E31	
SKN 140F	1200-1700	140	100	2500	1.80	0.2	-40 ... +150	E14	
SKN 141F	1200-1700	140	100	2500	1.80	0.2	-40 ... +150	E31	
SKR 2F17	400-1000	17	113	450	2.15	1.2	-40 ... +150	E7	
SKR 3F20	800-1200	20	104	375	2.15	1.2	-40 ... +150	E7	
SKR 2F50	400-1000	50	95	1100	1.80	0.5	-40 ... +150	E10	
SKR 60F	1200-1700	60	100	1400	1.75	0.5	-40 ... +150	E10	
SKR 135F	800-1200	135	100	2500	1.95	0.2	-40 ... +150	E14	
SKR 136F	800-1200	135	100	2500	1.95	0.2	-40 ... +150	E31	
SKR 140F	1200-1700	140	100	2500	1.80	0.2	-40 ... +150	E14	
SKR 141F	1200-1700	140	100	2500	1.80	0.2	-40 ... +150	E31	

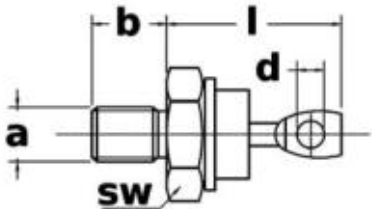
Footnotes: 2) In production new

Discretes / Diodes / Stud Screw Fit

Type										
	Voltage (V)	Current (A)	T _c	I _{FSM} @T _j =25°C	V _F	R _{th(j-c)} per chip	T _j	Case		
	V	A	°C	A	V	K/W	°C		Circuit	
Avalanche										
SKNa 20	1300-1700	20	93	375	1.55	2	-40 ... +150	E9		
SKNa 22	3600-5000	25	104	450	1.95	1	-40 ... +160	E42		
SKNa 46, SKRa 46	1800	46	124	700	1.60	0.85	-40 ... +180	E11		
SKNa 47	3600-5000	45	106	700	1.80	0.6	-40 ... +160	E43		
SKNa 102	3600-5000	125	80	1900	1.90	0.3	-40 ... +160	E44		
SKNa 202	3600-5000	200	80	3800	1.95	0.2	-40 ... +160	E45		
SKNa 402	3600-5000	400	88	7800	1.85	0.1	-40 ... +160	E46		

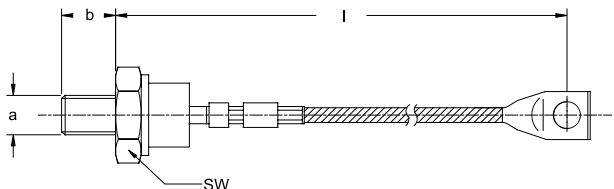
Cases

E7 / E8 / E10 / E11 / E31



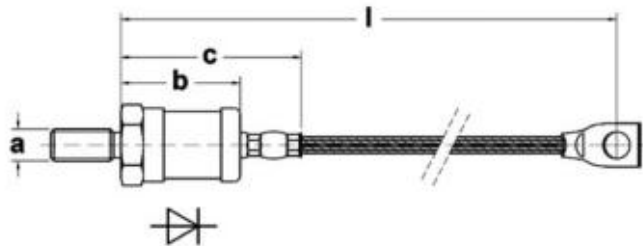
Cases	a	b	d	l	sw
E 7	M 5	11	2,7	22	11
E 8	M 6	11	2,7	21,5	11
E 10	M 6	11	4	25	17
E 11	M 8	11	4	25,5	17
E 31	M 12	18	8,4	55	24

E9 / E12 ... E17 / DO-8



Cases	a	b	l	SW
E9	M6	11	130	11
E12	M8	11	135	17
E13	M12	18	165	24
E14	M12	18	165	24
E15	M16 x 1,5	20	190	32
E16, E17	M24 x 1,5	20	230	41
DO-8	3/8 - 24 UNF 2A	16	112	27

E 42 / E 43 / E 44 / E 45 / E 46



Cases	a	b	c	l
E 42	M 6	28.5	45	150
E 43	M 8	32	54	160
E 44	M 12	38	57	185
E 45	M 16 x 1,5	48	70	205
E 46	M 24 x 1,5	54	82	250

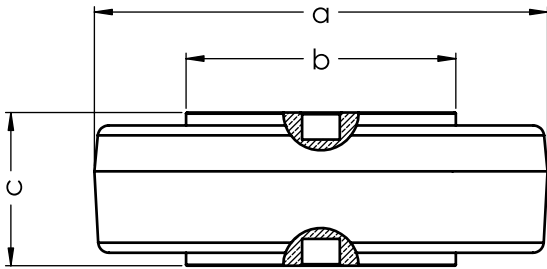
Discretes / Diodes / Capsules

Type	Voltage (V)	Current (A)	T _C	I _{FSM} @T _J =25°C	V _F	R _{th(j-a)} per chip	T _J	Case	Circuit
	V	A	°C	A	V	K/W	°C		
SKN 503 SG ¹⁾	400-2200	503	120	7000	1.50	0.075	-40 ... +180	E25	
SKN 1503 SG ¹⁾	400-2200	1503	91	19000	1.50	0.033	-40 ... +175	E26	
SKN 1603 ¹⁾	400-2200	1603	91	19000	1.50	0.03	-40 ... +175	E27	
SKN 6000	200-600	6000	85	60000	1.30	0.012	-40 ... +180	E35	

Footnotes: 1) Sample status

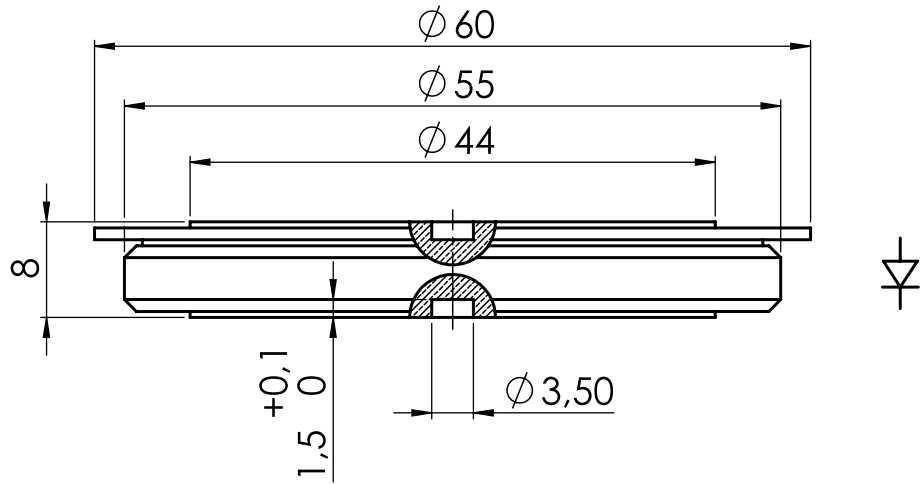
Cases

E25, E26, E27



Cases	a	b	c
E25	42	25	14,5
E26	58	36	26,5
E27	50	32	14,5

E35



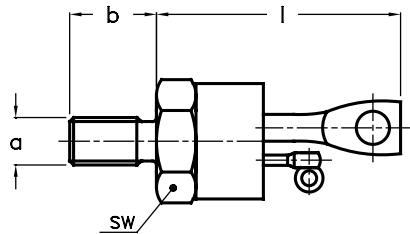
Dimensions in mm

Discretes / Thyristors / Stud Screw Fit

Type	Voltage (V)	Current (A)	T _C	I _{FSM} @T _J =25°C	V _T @ I _p T _J =25°C	I _T @V _T	R _{th(j-a)} per chip	T _J	Case	Circuit
	V	A	°C	A	V	A	K/W	°C		
SKT 10	600-1200	10	111	250	1.6	30	1.3	-40 ... +130	B1	
SKT 16	400-1800	16	104	370	2.4	75	0.9	-40 ... +130	B2	
SKT 24	400-1800	24	95	450	1.9	75	0.9	-40 ... +130	B2	
SKT 40	400-1800	40	80	700	1.95	120	0.66	-40 ... +130	B3	
SKT 50	600-1800	50	78	1050	1.8	120	0.6	-40 ... +130	B3	
SKT 55	400-1800	55	92	1300	1.8	200	0.47	-40 ... +130	B5	
SKT 80	600-1800	80	85	1700	2.25	300	0.28	-40 ... +130	B5	
SKT 100	400-1800	100	85	2000	1.75	300	0.28	-40 ... +130	B5	
SKT 130	400-1600	130	85	3500	2.25	500	0.18	-40 ... +130	B6	
SKT 160	400-1600	160	84	4300	1.75	500	0.18	-40 ... +130	B6	
SKT 250	400-1600	250	85	7000	1.65	800	0.123	-40 ... +130	B7	
SKT 300	400-1600	300	93	11000	1.45	800	0.096	-40 ... +130	B7	

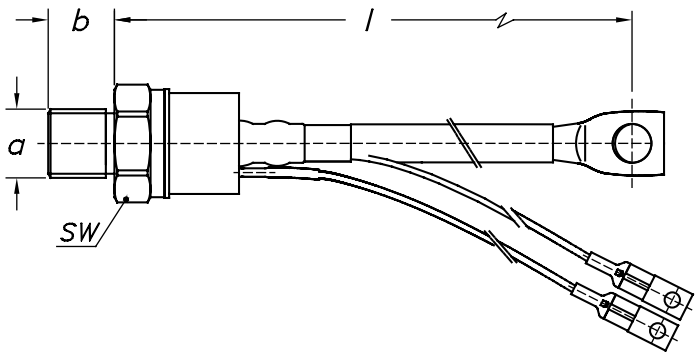
Cases

B1 ... B3



Cases	a	b	l	SW
B1	M5	11	20,3	11
B2	M6	11	30	14
B3	M8	11	33,5	17

B5 ... B7



Cases	a	b	l	SW
B5	M12	18	160	24
B6	M16 x 1,5	20	190	32
B7	M24 x 1,5	20	230	41

Dimensions in mm