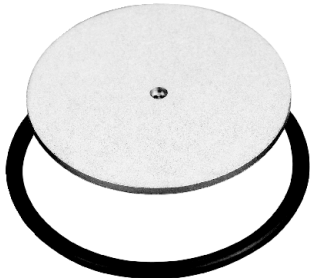


V_{RSM} V_{RRM} V	I_{FAV} (sin. 180; $T_{case} = 130\text{ }^{\circ}\text{C}$) 8 200 A
200 400 600	SKN 8000P 02 SKN 8000P 04 SKN 8000P 06

Rectifier Diode Pellets ¹⁾

SKN 8000 P

Preliminary Data



Symbol	Conditions	SKN 8000P	Units
I_{FAV}	sin. 180; $T_{case} = 130\text{ }^{\circ}\text{C}$; DSC ²⁾	8 200	A
I_{FSM}	$T_{vj} = 25\text{ }^{\circ}\text{C}$; 10 ms $T_{vj} = 180\text{ }^{\circ}\text{C}$; 10 ms	90 80	kA kA
i^2t	$T_{vj} = 25\text{ }^{\circ}\text{C}$; 8,3 ... 10 ms $T_{vj} = 180\text{ }^{\circ}\text{C}$; 8,3 ... 10 ms	40 000 32 000	kA ² s kA ² s
I_R	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $V_R = V_{RRM}$ $T_{vj} = 180\text{ }^{\circ}\text{C}$; $V_R = V_{RRM}$	4 100	mA mA
V_F $V_{(TO)}$ r_T	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $I_F = 14\text{ kA}$; max. $T_{vj} = 180\text{ }^{\circ}\text{C}$ $T_{vj} = 180\text{ }^{\circ}\text{C}$	1,15 ²⁾ 0,7 0,025	V V mΩ
R_{thjc} T_{vj} T_{stg}	DSC = double sided cooling	0,005 - 40 ... + 180 - 40 ... + 150	$^{\circ}\text{C}/\text{W}$ $^{\circ}\text{C}$ $^{\circ}\text{C}$
F w	SI units US units	24 ... 30 ³⁾ 5400 ... 6750 ³⁾ 75	kN lbs. g
Case		E 41	

¹⁾ Diode chip with a molybdenum disc on either side. Voltage grade, forward voltage drop class and date code are marked on the pellet.
²⁾ For parallel connections selected devices are available on request.
³⁾ Mounting instructions as for SKN 4000 or SKN 6000, see data book pages A – 81/82 (A-205/206)

Features

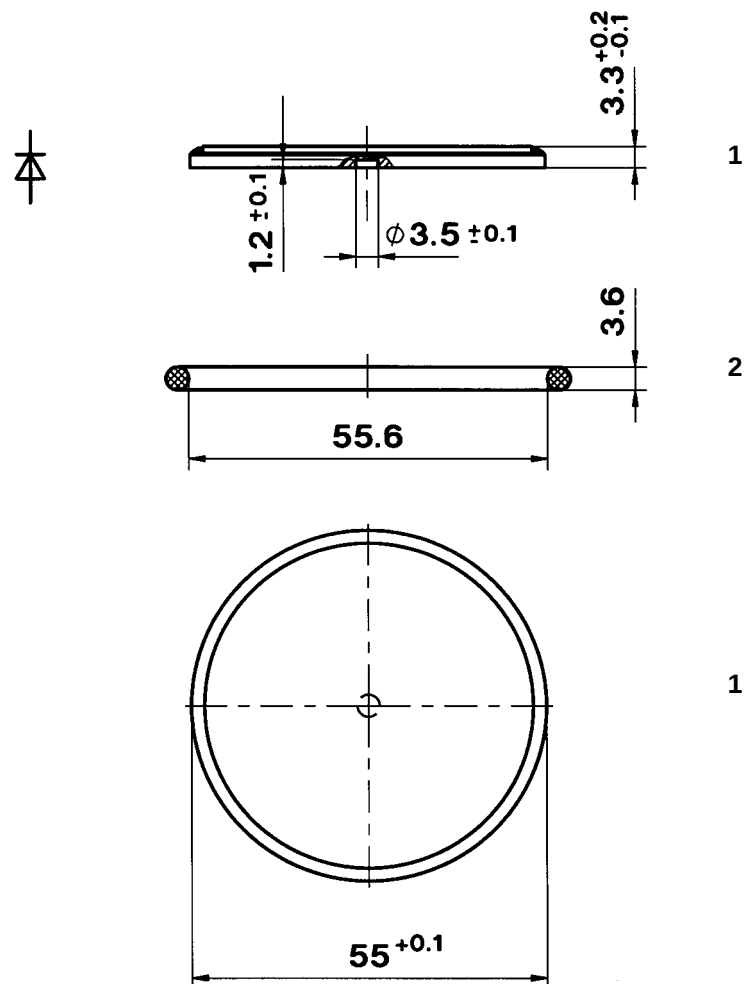
- Medium voltage, high current rectifier diode pellets for lowest thermal resistance
- Low power dissipation
- Especially suited for water cooling
- For direct mounting between the two heatsinks using the supplied sealing ring for protection ³⁾

Typical Applications

- Resistance Welding
- MF (Medium Frequency) Resistance Welding
- Electroplating

SKN 8000P

Case E 41



Dimensions in mm