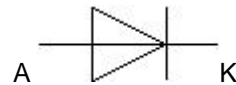


SKN26 – SKR26

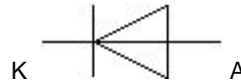
STANDARD RECOVERY DIODE



SKN26: anode to stud



SKR26: cathode to stud



Features

- Diffused series
- Available in Normal and Reverse polarity
- Industrial grade
- Available in avalanche characteristic
- metric and UNF thread
- DO-4 – 10-32UNF-2A

Typical applications

- All-purpose mean power rectifier diodes
- Non-controllable and half-controllable rectifiers
- Free-wheeling diodes
- Cooling via metal plates or heatsinks

Compliance to RoHS.



SKN26 – SKR26

ELECTRICAL SPECIFICATIONS ($T_e = 25^\circ\text{C}$)

Symbol	Ratings		Value	Unit
$I_{F(AV)}$	Maximum average forward current	$T_C = 150^\circ\text{C}$	25	A
V_{FM}	Maximum peak forward voltage drop	$I_{F(AV)}$ rated	1.3	V
I_{FSM}	Maximum peak one cycle (non-rep) surge current		400	A
$I_{R(AV)}$	Maximum avg. reverse leakage current		150	μA
I^2t	Maximum I^2t rating (non-rep)	For 5 to 10 ms	800	A^2s

Type number		V_{RRM} (maximum repetitive peak reverse voltage) (v)	$V_{R(RMS)}$ (maximum RMS reverse voltage) (v)	V_R (maximum DC blocking voltage) (V)	Recommended RMS working voltage (V)
SKN26	SKR26				
/01	/01	100	70	100	40
/02	/02	200	140	200	80
/04	/04	400	280	400	160
/06	/06	600	420	600	240
/08	/08	800	560	800	320
/10	/10	1000	700	1000	400
/12	/12	1200	840	1200	480
/14	/14	1400	980	1400	560
/16	/16	1600	1120	1600	640

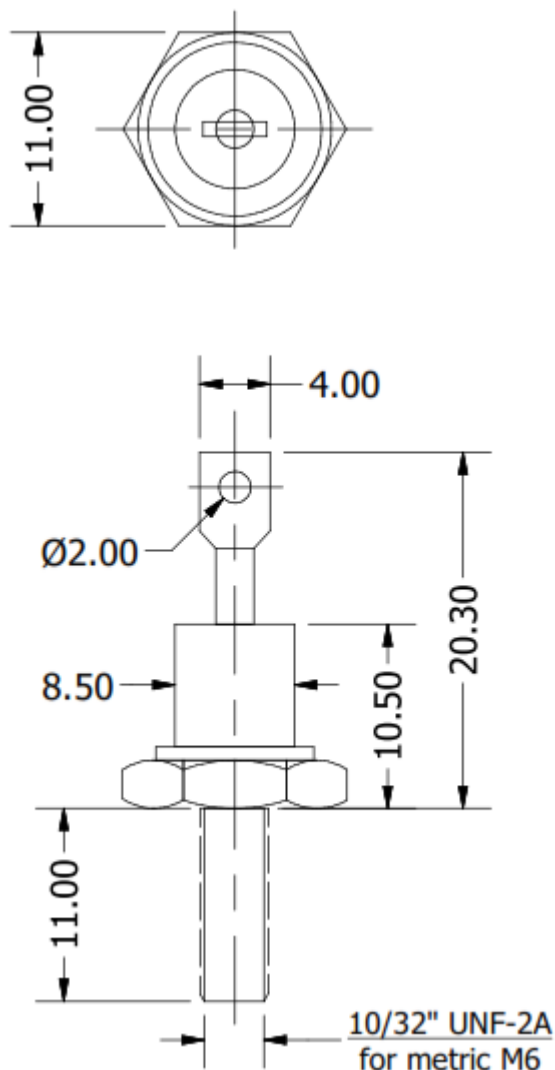
THERMAL CHARACTERISTICS

Symbol	Ratings	Value	Unit
R_{thJC}	Maximum thermal resistance, junction to case	1.5	$^\circ\text{C/W}$
T_J	Operating junction temperature range	-65 to 150	$^\circ\text{C}$
T_{stg}	Storage temperature	-65 to 150	$^\circ\text{C}$
F	Mounting torque (non-lubricated threads)	1.8	M-kgr
W	Approximate weight	7	gr.



SKN26 – SKR26

MECHANICAL DATA CASE DO-4 (DO-203AA) in millimeters



Revised April 2016

Information furnished is believed to be accurate and reliable. However, Comset Semiconductors assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. Data are subject to change without notice. Comset Semiconductors makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Comset Semiconductors assume any liability arising out of the application or use of any product and specifically disclaims any and all liability, including without limitation consequential or incidental damages. Comset Semiconductors' products are not authorized for use as critical components in life support devices or systems.