SKN 86, SKR 86



Stud Diode

Rectifier Diode

SKN 86 SKR 86

Target datasheet

Features

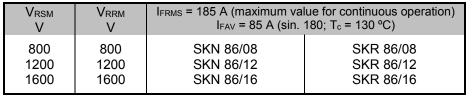
- Reverse voltages up to 1600 V
- Hermetic metal case with glass insulator
- Threaded studs ISO M8 or 1/4" 28 UNF-2A
- SKN: anode to studSKR: cathode to stud

Typical Applications

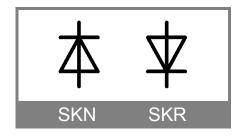
- All purpose mean power rectifier diodes
- Cooling via heatsinks
- Non-controllable and halfcontrollable rectifiers
- Free-wheeling diodes
- Recommended snubber network:

RC: 0,1 μ F, 100 Ω (P_R = 2W), R_p: 80 K Ω (P_R = 6 W)

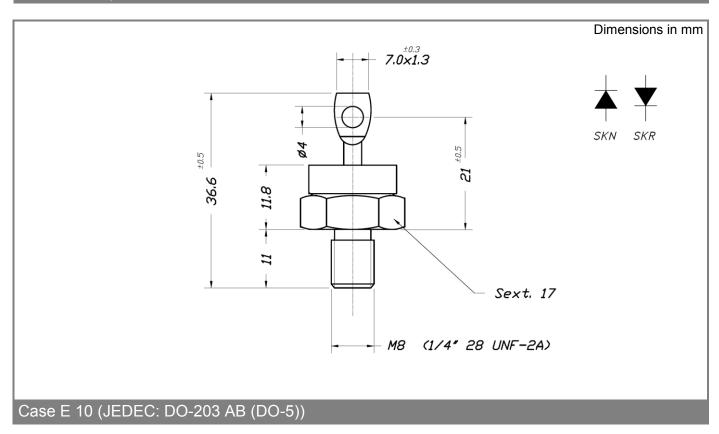
- 1) Mounting with grease-like thermal compound or joint contact compound
- 2) M8x1,25 is standard; "UNF" should be added in description for $\frac{1}{4}$ 28 2A thread



Symbol	Condition	Values	Units
IFAV	sin. 180; T _C = 100 °C	115	А
IFSM i ² t	T_{vj} = 25° C ; 8,310 ms T_{vj} = 180° C ; 8,310 ms T_{vj} = 25° C ; 8,310 ms T_{vj} = 180° C ; 8,310 ms	1500 1275 11250 8125	A A A ² s A ² s
V _F V _(TO) r _T I _R	$\begin{split} T_{vj} &= 25^{\circ} \text{ C, I}_{F} = 150 \text{ A} \\ T_{vj} &= 180^{\circ} \text{ C} \\ T_{vj} &= 180^{\circ} \text{ C} \\ T_{vj} &= 25^{\circ} \text{ C ; V}_{R} = \text{V}_{RRM} \\ T_{vj} &= 180^{\circ} \text{ C ; V}_{R} = \text{V}_{RRM} \end{split}$	Max. 1,2 0,85 3	V V mΩ mA mA
Rthjc Rthch T _{vj} Tstg	DC to rect. 120	0,4 0,2 -40+180 -55+180	° C/W ° C/W ° C ° C
М	M8 Stud 1/4 - 28 UNF 2A M8 Stud (lubricated) 1/4 - 28 UNF 2A (lubricated) 1/4 - 28 UNF 2A (lubricated)	4 2,5 3 2 5 * 9,81	Nm Nm Nm Nm m/s ²
m	арргох.	20	g
Case		E10	



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