STANDARD RECOVERY DIODES STUD

YZPST-D860/1800V

Forward Conduction

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Repetitive peak reverse voltage	V_{RRM}			1800	V	
Non repetitive peak reverse voltage	V_{RSM}			1900	V	
Max. average forward current	$I_{F(AV)M}$			860	A	Sinewave,180° conduction,T_c=80°C
Max. RMS forward current	$I_{F(RMS)M}$			1250	A	Nominal value
Max. peak, one-cycle forward, non-repetitive surge current	I_{FSM}			12	kA	10.0 msec (50Hz), half sinewave, T_{vj} = T_{vj} max, VRM = 0.5V_{RRM}
Maximum I^2t for fusing	I^2t			725	kA^2s	
Max. forward voltage drop	V_{FM}			1.40	V	I_{FM} = 2600A; T_{vj} = 25°C
Threshold voltage	V_{F0}			0.7	V	
Slope resistance	r_T			1.5	mΩ	

Thermal and Mechanical Specifications

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Operating temperature	T_j	-40	+150		°C	
Storage temperature	T_{stg}	-40	+150		°C	
Reverse recovery charge	Q_{rr}			-	μc	
Thermal resistance - junction to case	$R_{\Theta(j-c)}$		- -	90	°C /kW	
Thermal resistamce - case to heatsink	$R_{\Theta(c-s)}$		- -	80	°C /kW	
Mounting force	P	-	-	1.7	kN	± 20%
Weight	W	-	-	950	g	About
Case style				-		See Outline Table

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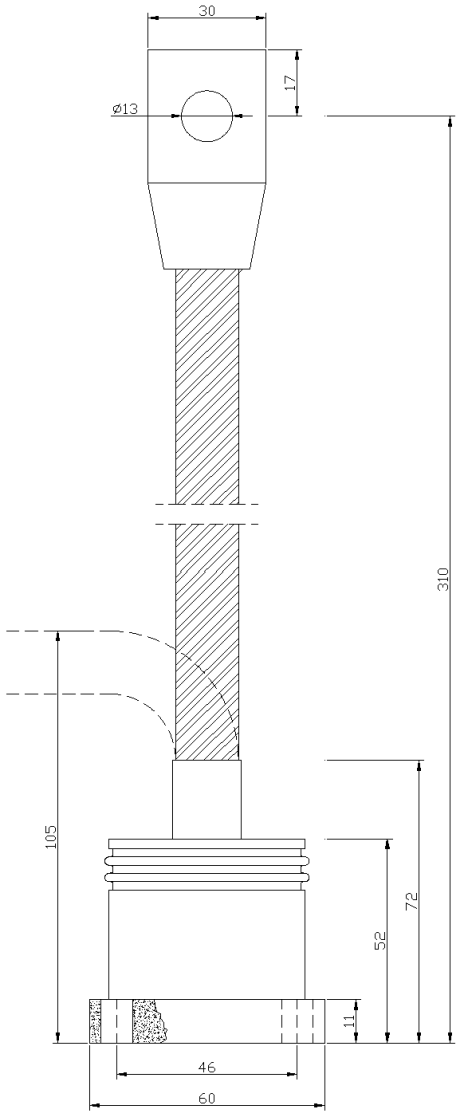
CASE OUTLINE AND DIMENSIONS.



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