

Forward Conduction

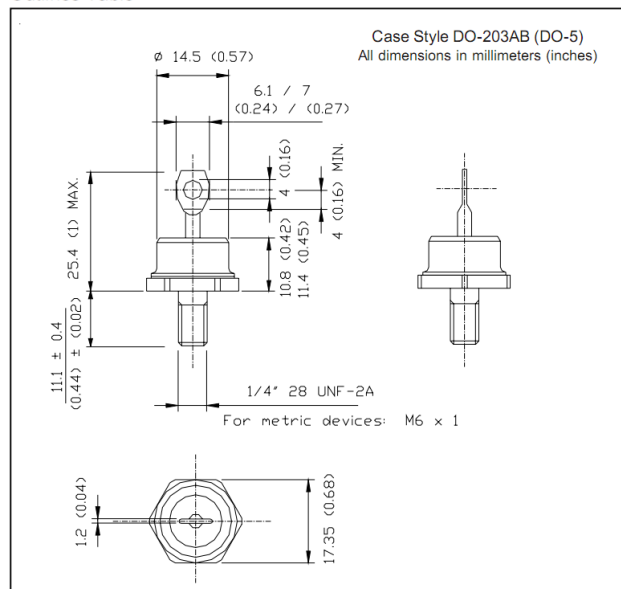
Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Repetitive peak reverse voltage	V_{RRM}			1800	V	$T_c=125^{\circ}\text{C}$
Non repetitive peak reverse voltage	V_{RSM}			1900	V	$T_c=125^{\circ}\text{C}$
Max. average forward current	$I_{F(AV)}$			20	A	Sinewave, 180° conduction, $T_c=120^{\circ}\text{C}$
Max. RMS forward current	$I_{F(RMS)}$			38	A	Nominal value
Max. peak, one-cycle forward, non-repetitive surge current	I_{FSM}			240	A	10.0 msec (50Hz), half sinewave, $T_j = T_j \text{ MAX}$
Maximum I^2t for fusing	I^2t			400	A^2s	
Max. forward voltage drop	V_F			1.95	V	$I_F = 60\text{A}; T_j = 25^{\circ}\text{C}$
Threshold voltage	V_{F0}			1.08	V	$T_j = T_j \text{ MAX}$
Slope resistance	r_t			6.33	$\text{m}\Omega$	$T_j = T_j \text{ MAX}$

Thermal and Mechanical Specifications

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Repetitive peak reverse leakage and off state	I_{RRM}		10		mA	
Operating temperature	T_j	-40	+125		$^{\circ}\text{C}$	
Storage temperature	T_{stg}	-40	+150		$^{\circ}\text{C}$	
Maximum Reverse Recovery Time	T_{rr}		1500		ns	$I_F=70\text{A}, t_p=170\mu\text{s}$
Reverse recovery charge	Q_{rr}			-	μC	
Thermal resistance - junction to case	$R_{\theta(j-c)}$		0.6	-	$^{\circ}\text{C}/\text{W}$	
Thermal resistance - case to heatsink	$R_{\theta(c-s)}$		0.25	-	$^{\circ}\text{C}/\text{W}$	
Mounting force	P			2.2	Nm	$\pm 20\%$
Weight	W	-	-	-	g	About
Case style				-		See Outline Table

CASE OUTLINE AND DIMENSIONS:

Outlines Table



ZPK



Tel: +86-514-87782298, 87782296

E-mail: info@yzpst.com;

Web Site: www.Pst888.com

www.yzpstcc.com

FAX: +86-514-87782297, 87367519

yzpst@pst888.com

www.yzpst.net

www.yzpst.com