STANDARD RECOVERY DIODES STUD

YZPST-40HF(R)120

Forward Conduction

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Repetitive peak reverse voltage	V_{RRM}			1200	V	
Non repetitive peak reverse voltage	V_{RSM}			1300	V	
Max. average forward current	$I_{F(AV)}$			40	A	Sinewave,180° conduction,T_c=140°C
Max. RMS forward current	$I_{F(RMS)}$			62	A	Nominal value
Max. peak, one-cycle forward, non-repetitive surge current	I_{FSM}			570	A	10.0 msec (50Hz), half sinewave, T_j = 190 °C, V_{RM} = 0.6V_{RRM}
Maximum I^2t for fusing	I^2t			1.6	kA^2s	
Max. forward voltage drop	V_{FM}			1.30	V	I_{TM} = 125A; T_c=25°C
Threshold voltage	V_{F0}			0.65	V	
Slope resistance	r_f			4.29	mΩ	

Thermal and Mechanical Specifications

Parameter	Symbol	Min.	Max.	Typ.	Units	Conditions
Operating temperature	T_j	-40	+190		°C	
Storage temperature	T_{stg}	-40	+190		°C	
Reverse recovery charge	Q_{rr}			-	μc	
Thermal resistance - junction to case	$R_{\Theta(j-c)}$		0.95		K/W	
Thermal resistamce - case to heatsink	$R_{\Theta(c-s)}$		0.25		K/W	
Mounting force	P			3.4	Nm	± 10%
Weight	W	-	-	17	g	about
Case style				DO-5		See Outline Table

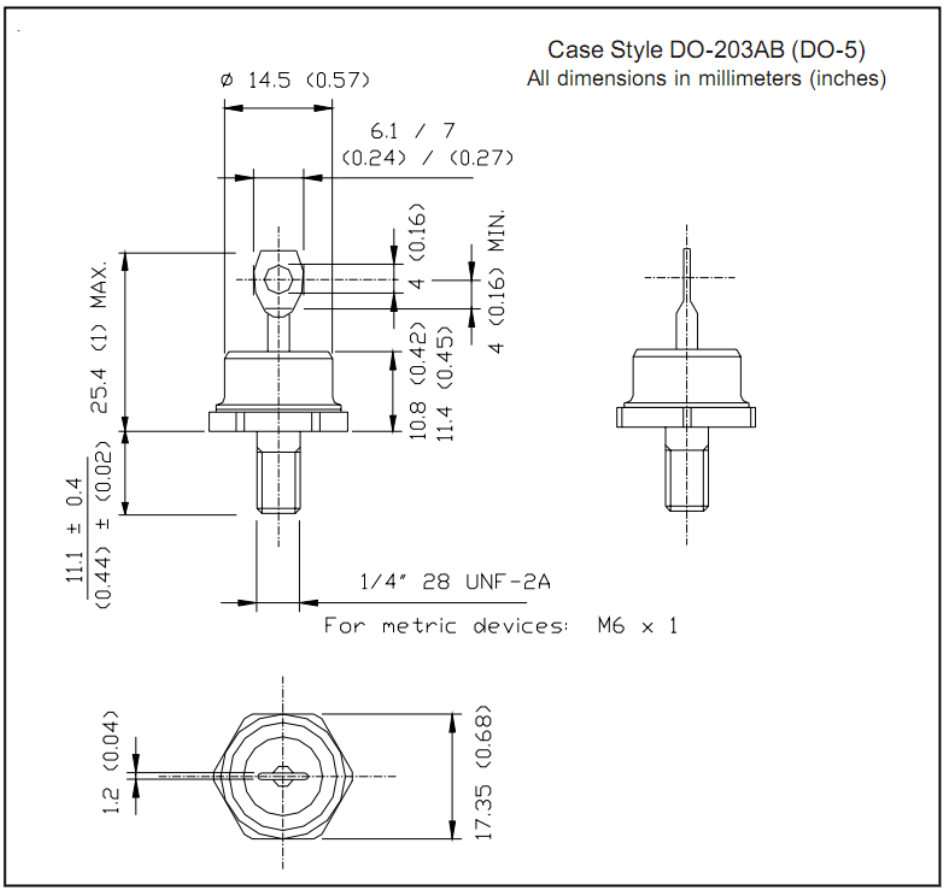
Tel: +86-514-87782298, 87782296 FAX:+86-514-87782297, 87367519
E-mail: info@yzpst.com; yzpst@pst888.com
Web Site:www.Pst888.com www.yzpstcc.com www.yzpst.net www.yzpst.com

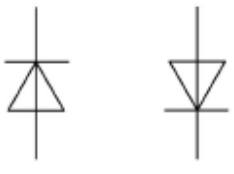
STANDARD RECOVERY DIODES STUD

YZPST-40HF(R)120

CASE OUTLINE AND DIMENSIONS.

Outlines Table





HFR HF

Tel: +86-514-87782298, 87782296 FAX:+86-514-87782297, 87367519
E-mail: info@yzpst.com; yzpst@pst888.com
Web Site:www.Pst888.com www.yzpstcc.com www.yzpst.net www.yzpst.com