Silicon Super Fast Recovery Diode

TYPE:YZPST-MUR30040

Features

- High Surge Capability
- Types from 50 V to 400 V V_{RRM}
- Not ESD Sensitive

Symbol	Condition	Ratings	Unit
$I_{F(AV)M}$	T_C=140°C; 180° sine	300	A
I_{FRMS}	maximum value for continuous operation	425	A
I_{FSM}	T_j=25°C; t = 8.3 ms (50 Hz); sine	1500	A
I^2t	T_j=25°C; t = 8.3 ms (50 Hz); sine	-	kA^2S
V_{iso}	A.C.1minute/1second	-	V
T_j		-55 ~ + 150	°C
T_{stg}		-55 ~ + 150	°C
M	mounting torque; ±15%	-	Nm
	terminal torque; ±15%	-	Nm
W	approx.	-	g
I_{RRM}	AtV_{RRM}，Single phase，half wave，T_j=125°C	3	mA
V_{FM}	On-State Current 300A，T_j=25°C	1.70	V
V_{F0}	T_j=150°C	-	V
r_F	T_j=150°C	-	mΩ
t_{rr}	T_j=25°C; I_F = 0.5A; -di_F/dt = 15A/μs; V_R = 30V; I_{RR} = 0.25A	90	ns
Q_{rr}	T_j=150°C; I_F = 50A; -di_F/dt = 100A/μs; V_R = 100V	-	us
I_{RM}		-	A
$R_{th(j-c)}$	Per Module	0.45	°C/W
$R_{th(c-h)}$	Per Module	-	°C/W

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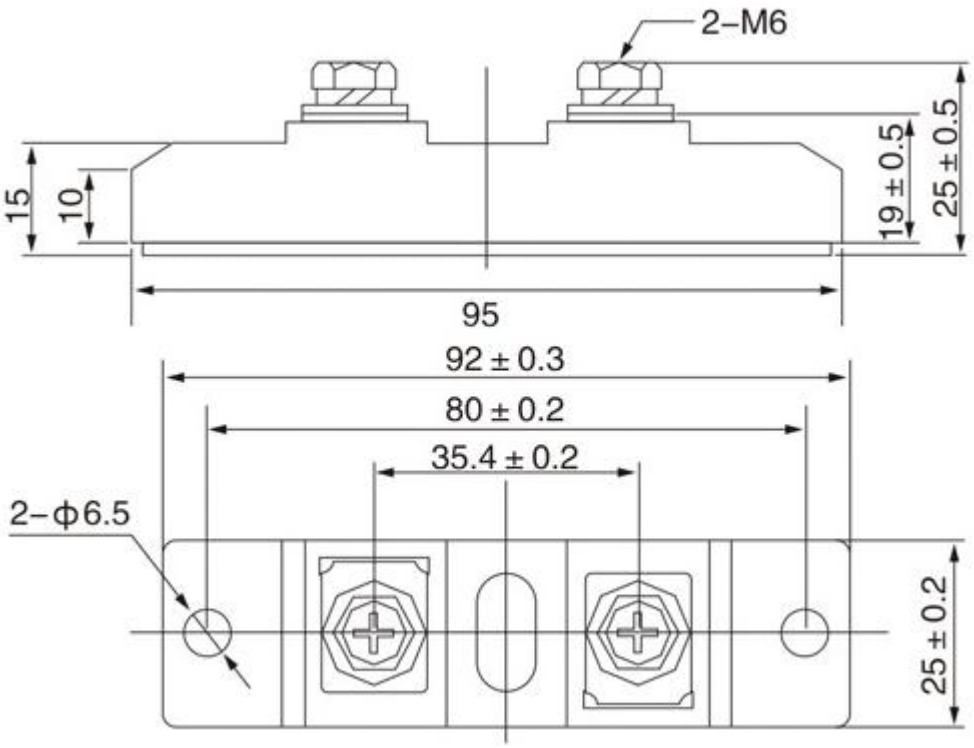
Outline Drawing



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