Diode Module

Type : YZPST-SKKE600/16

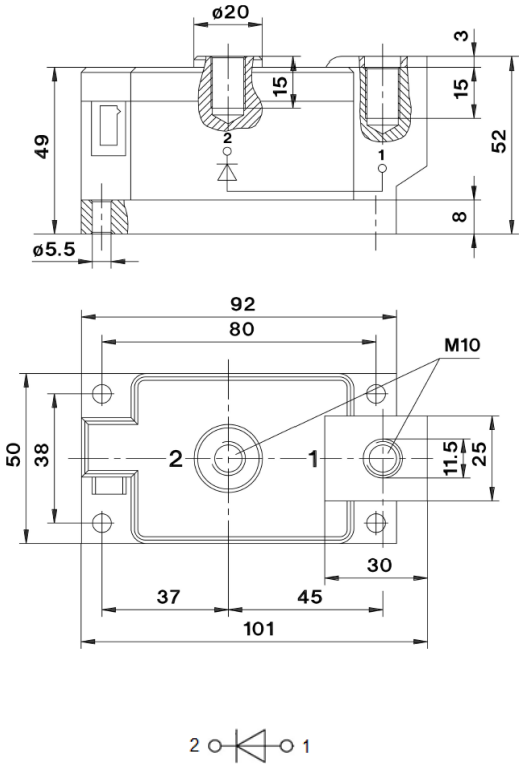
Absolute Maximum Ratings

Symbol	Condition	Ratings	Unit
V_{RRM}	T_{vj} = -40°C... $T_{vj\,max}$	1600	V
V_{RSM}	T_{vj} = -40°C... $T_{vj\,max}$	V_{RRM}+100	V
$I_{F(RMS)}$	Tc=100°C	930	A
$I_{F(AV)}$	Tc=100°C	600	A
I_{FSM}	50 Hz, 60% V_{RRM} reapplied, T_j =150°C	18	KA
I^2t	50 Hz, 60% V_{RRM} reapplied, T_j =150°C	1805	KA^2S
V_{iso}	50 Hz, A.C. 1s / 1min.	3600/3000	V
T_j		-40 ~ + 150	°C
T_{stg}		-40 ~ + 130	°C
M1	Busbar, Tolerance of ± 15%	5	Nm
M2	to heatsink, Tolerance of ± 10%	17	Nm
W	About	940	g

Electrical Characteristics/Thermal Characteristics

Symbol	Condition	Ratings	Unit
I_{RRM}	Up to V_{RRM} , T_j =150°C	15	mA
V_F	I_F =3000A, T_j=25°C	1.5	V
$V_{(TO)}$	T_j=150°C	0.75	V
r_T	T_j=150°C	0.25	mΩ
$R_{th(j-c)}$	Per Junction, both conducting	0.07	K /W
$R_{th(c-s)}$	Per Module	0.02	K /W

Case Outline And Dimensions



Features:

- Pressure contact technology for high reliability
- Advanced Medium Power Technology (AMPT)
- Industrial standard package
- Electrically insulated base plate

Applications:

- Rectifier for drives applications
- Rectifiers for UBS
- Battery chargers

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