

Diode Modules

TYPE: YZPST-SKKD260/16E

Features

- Heat Transfer Through Aluminium Oxide Ceramic Isolated Metal Baseplate
- Hard Soldered Joints For High Reliability
- UL Recognized

Typical Applications

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

BLOCKING

Symbol	Condition	Ratings	Unit
V_{RRM} V_{RSM}	$T_j = T_j \text{ Max.}$	1600 1700	V
I_{RRM}	AtV_{RRM} , Single phase, half wave, $T_j = T_j \text{ Max.}$	10	mA
V_{Isol}	50Hz, r.m.s.; 1S/1min	3600/3000	V

CONDUCTING

Symbol	Condition	Ratings	Unit
$I_{F(AV)}$	$T_C = 85^\circ\text{C}$; 180° sine	260	A
$I_{F(RMS)}$	$T_C = 82^\circ\text{C}$; 180° sine	410	A
I_{FSM}	$T_j = T_j \text{ Max.}$; $t = 10 \text{ ms}$ (50 Hz); sine	10000	A
I^2t	$T_j = T_j \text{ Max.}$; $t = 10 \text{ ms}$ (50 Hz); sine	500	kA^2S
$V_{F(TO)}$	$T_j = 130^\circ\text{C}$	0.9	V
r_F	$T_j = T_j \text{ Max.}$	0.37	$\text{m}\Omega$
V_{FM}	On-State Current 750A, $T_j = 25^\circ\text{C}$	1.25	V
T_{rr}	$T_j = 125^\circ\text{C}$ $I_F = 120\text{A}$ $-di/dt = 1000\text{A/us}$ $V_R = 1200\text{V}$	-	ns

Electrical Characteristics

Symbol	Condition	Ratings	Unit
$R_{th(j-c)}$	Per Module	0.14	K/W
$R_{th(c-h)}$	Per Module	0.04	K/W
T_j		-40 ~ +130	$^\circ\text{C}$
T_{stg}		-40 ~ +130	$^\circ\text{C}$
M	mounting torque	5	Nm
	terminal torque	9	Nm
W		600	g

Outline Drawing

