**Features**

Low forward voltage drop
High reverse voltage
Hermetic metal cases with ceramic insulators

Typical Applications

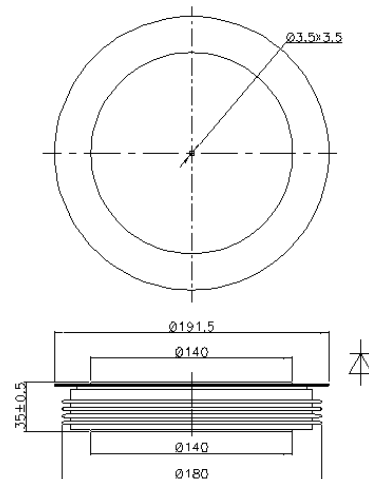
All purpose high power rectifier diodes
High power resistance welding equipment
Non-controllable and half-controllable rectifiers
Controlled rectifiers

Part No. H150ZPU-ZT140dT

$I_{F(AV)}$	6500 A
V_{RRM}	8100V 8300 V
	8500 V

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j (C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180 half sine wave 50Hz Double side cooled, $T_c=100$ C	150			6500	A
V_{RRM}	Repetitive peak reverse voltage	$t_p=10$ ms	150	8000		8500	V
I_{RRM}	Repetitive peak current	At V_{RRM}	150			500	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			100	kA
I^2t	I^2t for fusing coordination	$V_R=0.6V_{RRM}$				50000	$10^3 A^2s$
V_{FO}	Threshold voltage		150			0.800	V
r_F	Forward slope resistance					0.125	m Ω
V_{FM}	Peak forward voltage	$I_{FM}=5000A$, $F=140$ kN	25			1.50	V
Q_{rr}	Recovery charge	$I_{FM}=2000A$, $t_p=4000\mu s$, $di/dt=-20A/\mu s$, $V_R=100V$			14000		μC
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 24kN				0.0028	C /W
$R_{th(c-h)}$	Thermal resistance case to heat sink					0.0006	
F_m	Mounting force			165		190	kN
T_{vj}	Junction temperature			-40		150	C
T_{stg}	Stored temperature			-40		160	C
W_t	Weight				4000		g
Outline	ZT140dT						

Outline:



TECHSEM reserves the right to change specifications without notice.