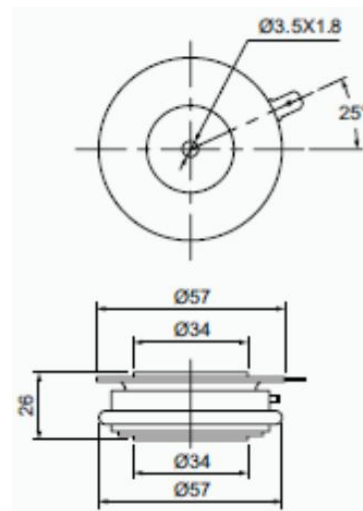


FEATURES

- Full diffusion process, flat type ceramic tube package
- Double sides cooling, High current
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- High power converters
- AC/DC switching
- Phase controlled rectifying



ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_R	Repetitive Peak Reverse Voltage		4500	V
$I_{F(AV)}$	Average Forward Current	$T_C=85^{\circ}\text{C}$; $f=50\text{Hz}$	330	A
I_{FSM}	Surge Forward Current	$t_p=10\text{ms}$	6000	A
T_J	Junction Temperature		-40~150	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range		-40~150	$^{\circ}\text{C}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.4	$^{\circ}\text{C/W}$

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Forward Voltage drop	$I_F = 1200A$, $T_J = 25^{\circ}C$	3.9	V
I_{RRM}	Instantaneous Reverse Current	$V_{RM} = V_{RRM}$	100	mA
t_{rr}	Reverse Recovery Time	$I_{FM} = 1000A$, $-di/dt = 250A/\mu s$; $V_R = 1000V$	4	μs

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