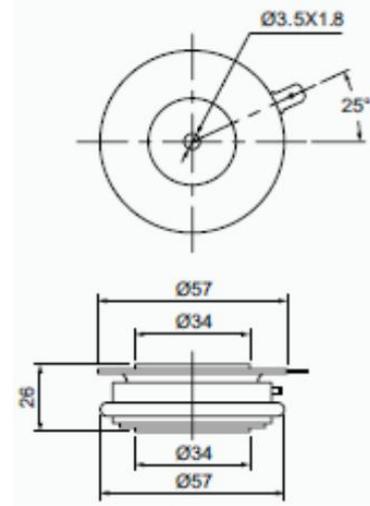


### FEATURES

- 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	$^{\circ}\text{C}/\text{W}$

**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	$\mu s$

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