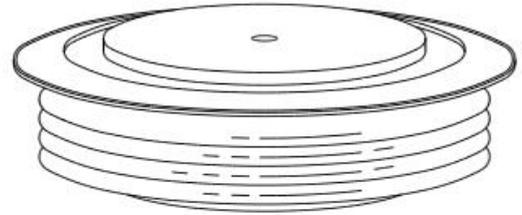


General Purpose Rectifier

FEATURES

- Low Forward Voltage
- Low Thermal Impedance
- High voltage ratings up to 1600V
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

- Power Supplies
- Motor Control
- Free Wheeling Diode
- Battery Chargers
- Resistance Welding

ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	VALUE	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage	1600	V
$I_{F(AV)}$	Average Forward Current	2200	A
$I_{F(RMS)}$	R.M.S. Forward Current, $T_C=134^{\circ}C$	3455	A
I_{FSM}	Surge Forward Current	27.4	KA
I^2t	I^2t for fusing, $t=10ms$	3750	A^2S*10^3
T_J	Junction Temperature	-40~150	$^{\circ}C$
T_{stg}	Storage Temperature Range	-40~190	$^{\circ}C$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.02	$^{\circ}C/W$

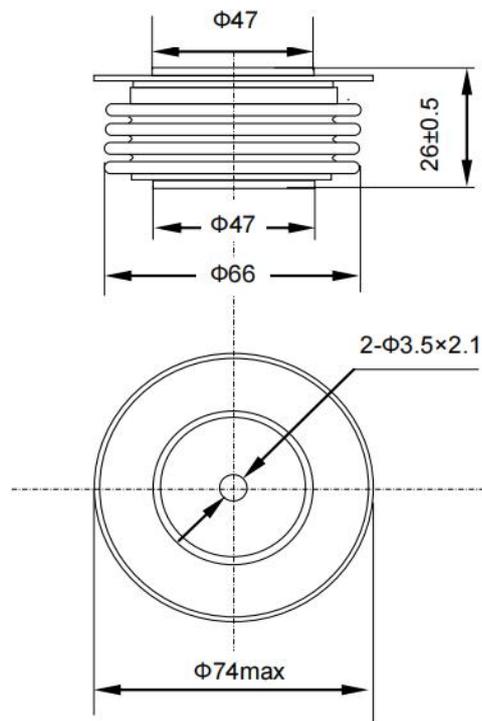
General Purpose Rectifier

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_{FM}	Forward Voltage drop	$I_F = 1500A$	1.1	V
I_{RRM}	Repetitive Peak Reverse Current	$T_j = 125^\circ C, V_R = V_{RRM}$	150	mA

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394")





R9G0 2200A

General Purpose Rectifier

NOTICE:

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