

# FAST RECOVERY RECTIFIER

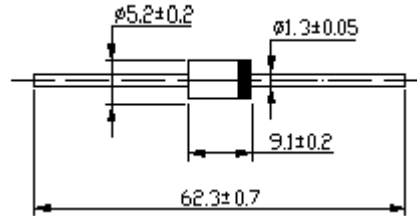


YIGUANG

## RU4C

1. Dimensions of outlines Unit: mm

DO-27



2. Maximum Ratings

TYPE NUMBER	Symbols	Units	Value
Maximum repetitive peak reverse voltage	$V_{RRM}$	V	1000
Maximum RMS voltage	$V_{RMS}$	V	700
Maximum DC blocking voltage	$V_{DC}$	V	1000
Maximum average forward rectified current 9.5mm lead length at $T_A=55^\circ\text{C}$	$I_{F(AV)}$	A	3.0
Peak Forward Surge Current, 8.3ms single half-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	A	150
Operating junction temperature range	$T_J$	$^\circ\text{C}$	-65to+125
Storage temperature range	$T_{stg}$	$^\circ\text{C}$	-65to+150

3. Electrical Characteristics ( $T_a=25^\circ\text{C}$  unless otherwise specified)

TYPE NUMBER	Symbols	Units	Value	
Maximum instantaneous forward voltage at 3.0A	$V_F$	V	1.6Max.	
Maximum DC reverse current at rated DC blocking voltage	$T_a=25^\circ\text{C}$	$I_{R1}$	$\mu\text{A}$	10.0Max.
	$T_a=100^\circ\text{C}$	$I_{R2}$	$\mu\text{A}$	150.0Max
Maximum reverse recovery time (test conditions: $I_F=0.5\text{A}$ , $I_R=1.0\text{A}$ , $I_{RR}=0.25\text{A}$ )	$T_{rr}$	nS	150	