

FAST RECOVERY RECTIFIER

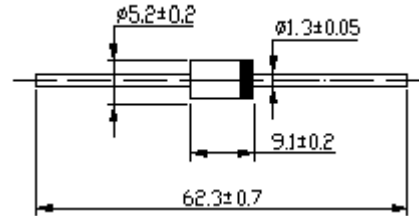


YIGUANG

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 $T_A=55^\circ C$	$I_{F(AV)}$	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	$^\circ C$	-65to+125
Storage temperature range	T_{stg}	$^\circ C$	-65to+150

3. Electrical Characteristics ($T_a=25^\circ C$ 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	$T_a=25^\circ C$	I_{R1}	μA	10.0Max.
	$T_a=100^\circ C$	I_{R2}	μA	150.0Max
Maximum reverse recovery time (test conditions: $I_F=0.5A, I_R=1.0A, I_{RR}=0.25A$)	T_{rr}	nS	150	