

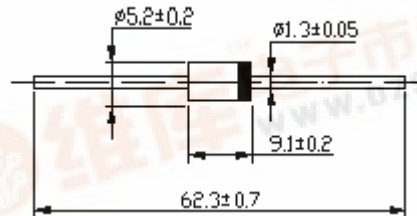
FAST RECOVERY RECTIFIER

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 at3.0A		V _F	V	1.6Max.
Maximum DC reverse current at rated DC blocking voltage	Ta=25℃	I _{R1}	μ A	10.0Max.
	Ta=100℃	I _{R2}	μ A	150.0Max
Maximum reverse recovery time (test conditions: IF=0.5A, IR=1.0A, IRR=0.25A)		T _{rr}	nS	150