Fast recovery diode RF2001T4S

Applications

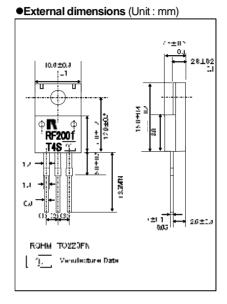
General rectification

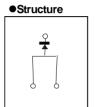
● Features

- 1) High reliability.(TO-220)
- 2) Low noise.
- 3) Very fast switching.

Construction

Silicon epitaxial planar





● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	430	V
Reverse voltage (DC)	V_R	400	V
Average rectified forward current (*1)	lo	20	Α
Forward current surge peak (60Hz=1cyc) (*1)	I _{FSM}	100	Α
Junction temperature	Tj	150	ů
Storage temperature	Tstg	-55 to +150	ŝ

^(*1)Tc=98°Cmax

●Electrical characteristic (Ta=25^uC)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	1.6	V	I _F =20A
Reverse current	I _R	-	-	10	μA	V _R =400V
Reverse recovery time	trr	-	-	30	ns	IF=0.5A,IR=1A Irr=0.25*IR

Electrical characteristic curves FIN Z FORMADO CLATFILLIDA F CAPACITANCE FETCHEN TETRINAL 20 (pf) お田田の18年1日が ICCU U.C 100 100 200 200 300 300 400 400 + 55 | \$00 | 000 | 1000 1400 | F 50 1800 1100 FORWARD VICETAGE: VELTAVI: VII III C. ARACTERIS (CS HEVERAL VOLUMEL(VIX)VI VR IRICHARASTERISTICS HEVERSEIVOE AREARINE VRIGEO ARAO ENSUCA 1500 Ta 25°C 1 IMH2 ∀R 37 1 IU144 a 25°0 JI=20A r 20pov Tai 25°C VK 400V r 720psa 4:1 Supervention reneval ROBINATE VOLTAGE/VR.P.V. CAPACITA (OF BETWEEN /VE:442 "pF 1430 420 AVE (399) V D 1330 VI DISHLESICA MAH IR CISPERSION MAP OUDISPERSION NAP 1000 Ta 25 U III IISA JP. 1A 20 230 PEANSURSE FORWATT O TITE THREETON Park SLNGE Forevarth Cluber THSK(A) ENIL MENUNGE ENERGE 230 20 AVL 235.CA 130 30 HISM CACITIC WAVE THIS ICS /PMTB OLOCITIS IO 100 UT COSPERSION MAP JESN DISPESION NAP 133 20 45 TANAMAT INTERNACIONAL (NACIONAL DE CANADA (NAC 40 PRAKS_RGF FORMATOIC_RRENTIFEM(A) 37 30 100 27 20 ; - и 01 u a.

TIME C

RU LIGHARACTERISTICS

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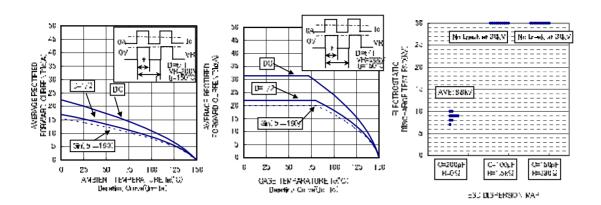
TIME UTS: TO ARROUND INSTANCE

g

AVERAGE REGITATED FORWARD GURSEN (196/A) 15 PFG ARMO LINE TOS

100

1000



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