1N6672R

**TECHNICAL DATA** DATA SHEET 346, REV. -

## HERMETIC ULTRAFAST RECOVERY RECTIFIER

**DESCRIPTION:** 300 VOLT, 15 AMP, 15 NANOSECOND, RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAX RATINGS/ELECTRICAL CHARACTERISTICS ALL RATINGS ARE AT TA = 25 °C UNLESS OTHERWISE SPECIFIED.

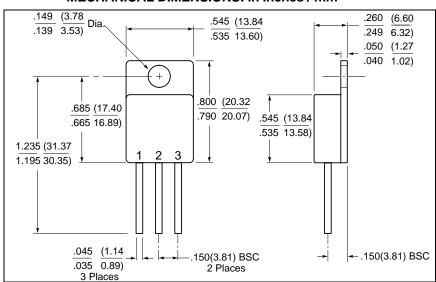
RATING		SYMBOL	MAX.	UNITS
EAK INVERSE VOLTAGE (PER LEG)		PIV	300	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG)	_ (4)	MMM.		
(In	= 10A, T <sub>A</sub> = 25 C°	$V_{f}$	1.35	Volts
… 一声扬柳	== 20A, T <sub>A</sub> = 25 C°		1.55	
MAXIMUM DC OUTPUT CURRENT (T <sub>C</sub> = 100 °C) (PER LEG)		Io	15	Amps
PEAK SINGLE CYCLE SURGE CURRENT t <sub>p</sub> = 8.3 msec.		I <sub>FSM</sub>	150	Amps
MAXIMUM REVERSE RECOVERY TIME ( $I_f = 0.5A$ , $I_r = 1.0A$ , $I_{rr} = 0.25A$ )		t <sub>rr</sub>	35	nsec
MAXIMUM REVERSE CURRENT I <sub>r</sub> @ PIV (T <sub>C</sub> = 100°C	(PER LEG)	Ir Ir		μА
		WWW.D	5.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	16 Em.	$R_{ heta JC}$	2.0	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE		T <sub>OP</sub>	-65 to +200	°C
JUNCTION CAPACITANCE V <sub>R</sub> = 10Vdc, f = 1MHz		CJ	150	pF
V <sub>SIG</sub> = 50mV (p-p) (Max)			- 47.1	33
Suffix R denotes common anode version.	面维属	WWW.D	ZSC.C	O.Py

<sup>\*</sup> Suffix R denotes common anode version.



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### **MECHANICAL DIMENSIONS: In Inches / mm**

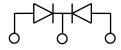


TO-254

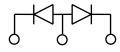
# **PINOUT TABLE**

TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER, COMMON CATHODE	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER, COMMON ANODE (R)	CATHODE 1	COMMON ANODE	CATHODE 2

## **SCHEMATIC**



**COMMON CATHODE** 



**COMMON ANODE** 



#### **TECHNICAL DATA**

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