

TECHNICAL DATA DATA SHEET 347, REV. A

HERMETIC ULTRAFAST RECOVERY RECTIFIER

DESCRIPTION: 400 VOLT, 15 AMP, 15 NANOSECOND, RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAX RATINGS/ELECTRICAL CHARACTERISTICS

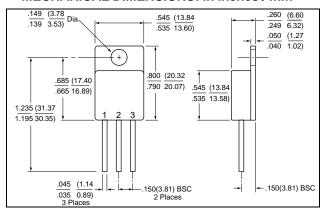
ALL RATINGS ARE AT $T_A = 25$ °C UNLESS OTHERWISE SPECIFIED.

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RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	400	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG)			
$I_F = 10A, T_A = 25 C^{\circ}$	V_{f}	1.35	Volts
$I_F = 20A, T_A = 25 C^{\circ}$		1.55	
MAXIMUM DC OUTPUT CURRENT (T _C = 100 °C) (PER LEG)		15	Amps
PEAK SINGLE CYCLE SURGE CURRENT t _p = 8.3 msec.	I _{FSM}	150	Amps
MAXIMUM REVERSE RECOVERY TIME ($I_f = 0.5A$, $I_r = 1.0A$, $I_{rr} = 0.25A$)	t _{rr}	35	nsec
MAXIMUM REVERSE CURRENT I _r @ PIV (T _C = 100°C) (PER LEG)	l _r	50	μА
		5.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{\theta JC}$	2.0	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE		-65 to +200	°C
JUNCTION CAPACITANCE V _R = 10Vdc, f = 1MHz	Сл	150	pF
V _{SIG} = 50mV (p-p) (Max)			

^{*} Suffix R denotes common anode version.

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MECHANICAL DIMENSIONS: In Inches / mm



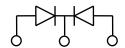
TO-254

PINOUT TABLE

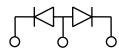
TYPE	PIN 1	PIN 2	PIN 3
DUAL RECTIFIER, COMMON CATHODE	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER, COMMON ANODE (R)	CATHODE 1	COMMON ANODE	CATHODE 2

SCHEMATIC

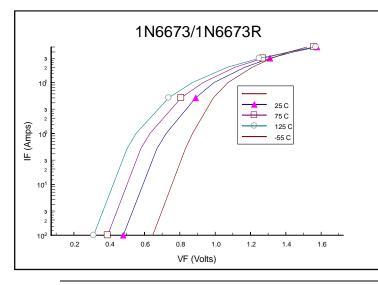
COMMON CATHODE

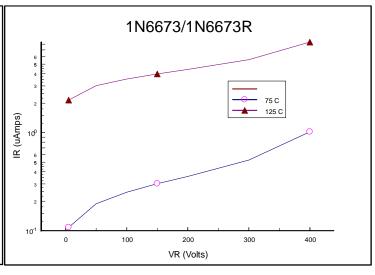


COMMON ANODE



CHARACTERISTICS CURVES







TECHNICAL DATA

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