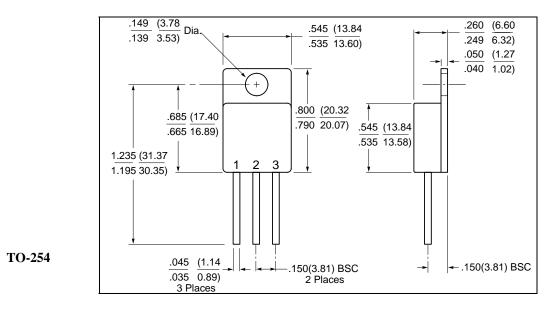
TECHNICAL DATA DATA SHEET 5146, REV. -

HERMETIC ULTRAFAST RECOVERY RECTIFIER (equivalent to 1N6674 / 1N6674R)

DESCRIPTION: 500 VOLT, 30 AMP, 15 NANOSECOND, RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAX RATINGS/ELECTRICAL CHARACTERISTICS ALL RATINGS ARE AT TA	ALL RATINGS ARE AT T _A = 25 °C UNLESS OTHERWISE SPECIFIED.		
RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	500	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)	Ι _ο	15	Amps
PEAK SINGLE CYCLE SURGE CURRENT t_p = 8.3 msec.	I _{FSM}	150	Amps
$\label{eq:MAXIMUM REVERSE RECOVERY TIME (I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A) \qquad \qquad t_{rr}$		35	nsec
MAXIMUM REVERSE CURRENT I _r @ PIV ($T_c = 100^{\circ}C$) (PER LEG)	l _r	50	μA
		5.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{ ext{ heta}JC}$	2.0	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	T _{OP}	-65 to +175	°C
JUNCTION CAPACITANCE $V_R = 10Vdc, f = 1MHz$	CJ	150	pF
V _{SIG} = 50mV (p-p) (Max)			

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MECHANICAL DIMENSIONS: In Inches / mm

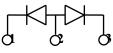
PINOUT TABLE

_TYPE	_ PIN 1 _	PIN 2	_ PIN 3
DUAL RECTIFIER, COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER, COMMON ANODE (N)	CATHODE 1	COMMON ANODE	CATHODE 2

SCHEMATIC

COMMON CATHODE

COMMON ANODE



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