

TECHNICAL DATA DATA SHEET 209, REV A

HERMETIC ULTRAFAST RECOVERY RECTIFIER

DESCRIPTION: 100 VOLT, 40 AMP, 35 NANOSECOND, HERMETIC RECTIFIER IN A TO-254 PACKAGE.

MAX RATINGS/ELECTRICAL CHARACTERISTICS ALL RATINGS AR

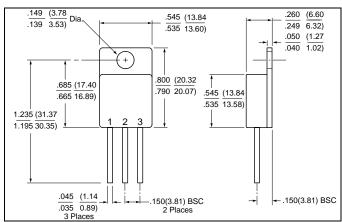
ALL RATINGS ARE AT $T_A = 25~^{\circ}\text{C}$ UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE (PER LEG)	PIV	100	Volts
MAXIMUM FORWARD VOLTAGE DROP (PER LEG) (I _f = 10 Amps)			
$I_F = 10A, T_A = 25 C^{\circ}$	V_{f}	1.0	Volts
I _F = 10A,T _A = 125 C°		0.83	
MAXIMUM DC OUTPUT CURRENT (T _C = 100 °C)	Io	40	Amps
PEAK SINGLE CYCLE SURGE CURRENT t _p = 8.3 msec.		300	Amps
MAXIMUM REVERSE RECOVERY TIME ($I_f = 0.5A$, $I_r = 1.0A$, $I_{rr} = 0.25A$)		35	nsec
MAXIMUM REVERSE CURRENT I, @ PIV (PER LEG)		10	μА
		1.0	mA
MAXIMUM THERMAL RESISTANCE (PER LEG)	$R_{ heta JC}$	2.3	°C/W
MAXIMUM OPERATING TEMPERATURE RANGE	-	-65 to +200	°C
JUNCTION CAPACITANCE V _R = 10Vdc, f = 1mHz	CJ	150	pF
V _{SIG} = 50mV (p-p) (Max)			

^{*} Suffix R denotes common anode version.

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MECHANICAL DIMENSIONS: In Inches / mm

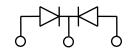


TO-254

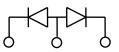
PINOUT TABLE

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



TECHNICAL DATA

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