

TECHNICAL DATA DATASHEET 4726, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER 175°C Maximum Operation Temperature

DESCRIPTION: A 60-VOLT, 30/35 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAXIMUM RATINGS

ALL RATINGS ARE @ T_C = 25 °C UNLESS OTHERWISE SPECIFIED.

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RATING	SYMBOL	MAX.	UNITS	
PEAK INVERSE VOLTAGE	PIV	60	Volts	
MAXIMUM DC OUTPUT CURRENT (@ T _C =100 ^O C) (Single, Doubler)	Io	30	Amps	
MAXIMUM DC OUTPUT CURRENT (@ T _C =100 ^O C) (Common Cathode, Common Anode)	lo	35	Amps	
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	570	Amps	
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	1600	pF	
MAXIMUM THERMAL RESISTANCE (Single)	$R_{ heta JC}$	0.77	°C/W	
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to + 175	ç	
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C	

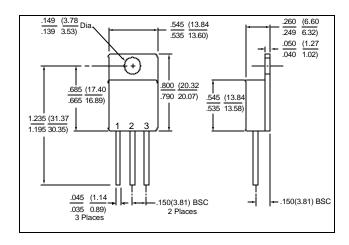
ELECTRICAL CHARACTERISTICS

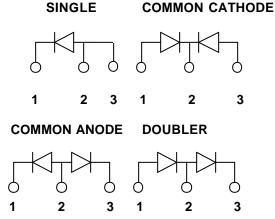
CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (I _f = 30 Amps)			
T _J = 25 °C	V_{f}	0.81	Volts
T _J = 125 °C		0.74	
MAXIMUM REVERSE CURRENT (I _r @ 60 V PIV)			
T _J = 25 °C	l _r	0.8	mA
T _J = 125 °C		60	

SENSITRON

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Mechanical Dimensions: In inches / mm





TO-254

PINOUT TABLE

TYPE	PIN 1	PIN 2	PIN 3
SINGLE RECTIFIER	CATHODE	ANODE	ANODE
DUAL RECTIFIER, COMMON CATHODE (P)	ANODE 1	COMMON CATHODE	ANODE 2
DUAL RECTIFIER, COMMON ANODE (N)	CATHODE 1	COMMON ANODE	CATHODE 2
DUAL RECTIFIER, DOUBLER (D)	ANODE	CATHODE/ ANODE	CATHODE



TECHNICAL DATA

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