

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 @  $T_C = 25^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED.

RATING	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	PIV	60	Volts
MAXIMUM DC OUTPUT CURRENT (@ $T_C=100^\circ\text{C}$ ) (Single, Doubler)	$I_O$	30	Amps
MAXIMUM DC OUTPUT CURRENT (@ $T_C=100^\circ\text{C}$ ) (Common Cathode, Common Anode)	$I_O$	35	Amps
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT ( $t=8.3\text{ms}$ , Sine)	$I_{FSM}$	570	Amps
MAXIMUM JUNCTION CAPACITANCE ( $V_r=5\text{V}$ )	$C_T$	1600	pF
MAXIMUM THERMAL RESISTANCE (Single)	$R_{\theta JC}$	0.77	$^\circ\text{C/W}$
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to + 175	$^\circ\text{C}$
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC	SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = 30\text{ Amps}$ ) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	$V_f$	0.81 0.74	Volts
MAXIMUM REVERSE CURRENT ( $I_r$ @ 60 V PIV) $T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$	$I_r$	0.8 60	mA



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