TECHNICAL DATA DATA SHEET 4721, REV. -

HERMETIC POWER SCHOTTKY RECTIFIER 175°C Maximum Operation Temperature

DESCRIPTION: A 45-VOLT, 15/30 AMP, POWER SCHOTTKY RECTIFIER IN A HERMETIC TO-254 PACKAGE.

MAXIMUM RATINGSALL RATINGS ARE @ $T_c = 25 \degree C UNL$	ATINGS ALL RATINGS ARE $@ T_c = 25 \degree C$ UNLESS OTHERWISE SPECIFIED.					
RATING	SYMBOL	MAX.	UNITS			
PEAK INVERSE VOLTAGE	PIV	45	Volts			
MAXIMUM DC OUTPUT CURRENT (@ T _C =100 ^O C) (Single, Doubler)	Ι _Ο	15	Amps			
MAXIMUM DC OUTPUT CURRENT (@ T _c =100 ^O C) (Common Cathode, Common Anode)	Ι _Ο	30	Amps			
MAXIMUM NONREPETITIVE FORWARD SURGE CURRENT (t=8.3ms, Sine)	I _{FSM}	150	Amps			
MAXIMUM JUNCTION CAPACITANCE (V _r =5V)	C _T	800	pF			
MAXIMUM THERMAL RESISTANCE (Single)	$R_{ ext{ hetaJC}}$	1.45	°C/W			
MAXIMUM THERMAL RESISTANCE (Common Cathode, Common Anode, Doubler)	R _{θJC}	0.72	°C/W			
MAXIMUM OPERATING TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C			
MAXIMUM STORAGE TEMPERATURE RANGE	Top/Tstg	-65 to + 175	°C			

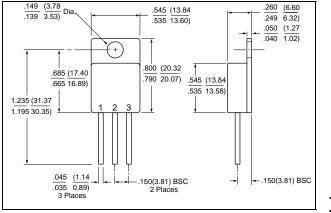
ELECTRICAL CHARACTERISTICS

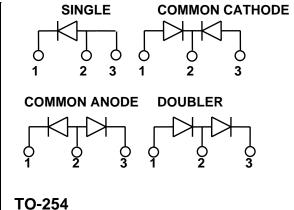
CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed (If	= 15 Amps)			
	T _J = 25 °C	V _f	0.75	Volts
	T _J = 125 °C		0.65	
MAXIMUM REVERSE CURRENT (Ir @ 45 V PIV)				
	T _J = 25 °C	I _r	0.4	mA
	T _J = 125 °C		15	

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Mechanical Dimensions: In inches / mm

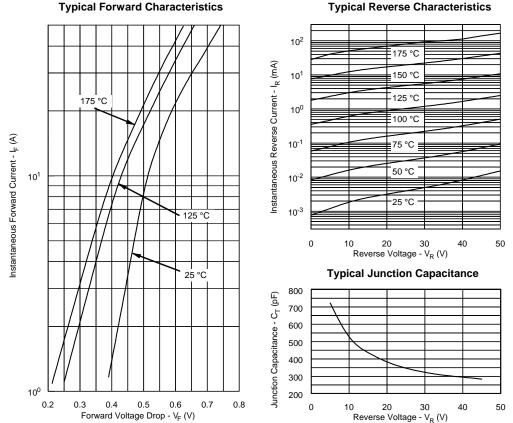




PINOUT TABLE

ТҮРЕ	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

Curves shown are for bare die only.



Typical Reverse Characteristics

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TECHNICAL DATA

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