

1N5817 THRU 1N5819

Typical Applications
For use in low voltage high frequency inverters,

- ✕Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Color band denotes the cathode end

ΩMaximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SY	W M		U	1W	1N5819
Device marking code			1N5817	1N5818		1N5819
Repetitive Peak Reverse Voltage	V _{RRM}	V	20	30		40
Average Rectified Output Current @60Hz sine wave, Resistance load, Ta (FIG.1)	I _O	A	1.0			
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Ta=25	I _{FSM}	A	30			
Storage Temperature	T _{stg}		-55 ~+150			
Junction Temperature	T _j		-55 ~+125			

■Electrical Characteristics T_a p y E ` R Å k P Å Z ` p P, ` P Å ` p ` i 8 ` h B c ` D Å •

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0D[LPXP '& UHYHUVH FXUUHQW DW UDWHG '& EORFNLOQY ROPW D JH SHU GLRGH			7D Ta=100	0.2 20		
Typical junction capacitance	C _j	pF	Measured at 1MHZ and Applied Reverse Voltage of 4.0 V.D.C.	60	50	

Note1:Pulse test:300uS pulse width,1% duty cycle

v7KHUPDO &KDUDÄFWHU&QVHVFVRWKHU&LVH VSHFLILHG

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7KHUPDO 5HVLVW	DQ5H\$	:			

v2UGHULQJ ,QIRUPDWLRQ ([DP SOH

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