

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

Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SY	W	φ M	U	A η WÄ	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 Ta = 25°C unless otherwise specified

			0.2		
0D[LPXP '& UHYHUVH FXUHHQW DW UDWHG '& EORFNLO5 YRQWDJH SHU GLRGH			7D Ta=100	0.2 20	
Typical junction capacitance	Cj	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

- Solder dip 275 °C max. 7 s, per JESD 22-B106
- High frequency operation

v7KHUPDO &KDUDÄFWHU&QVLFVVRWKHU&LVH VSHFLILHG

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7KHUPDO 5HVLVW	DQ5H\$	:			

v2UGHULQJ ,QIRUPDWLRQ ([DP SOH

35() (5(' 3 1	3\$&.\$*(&2'(81,7 : (, * + 7 J	0,1,080 3\$&.\$*(SFV	,11(5 %2;
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