

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 pyE`RÀkPÀZ`pP;`PÄ`p`i8`hBc`DÀ•

			yo \$			
0D[LPXP '& UHYHUVH FXUUHQW 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

3\$5\$0(7(5	6<0%2/	81,7	1	1	1
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;
--------------	-----------------------------	--------------------------	-----------





Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for t