

**1N5817, 1N5818, 1N5819**

For use in low voltage high frequency inverters,

Tin plated leads, solderable per J-STD-002 and JESD22-B102

Color band denotes the cathode end

Unless otherwise specified (Ta=25 °C)

Parameter	Symbol	Unit	1N5817	1N5818	1N5819
Device marking code			1N5817	1N5818	1N5819
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	V	20	30	40
Average Rectified Output Current @60Hz sine wave, Resistance load, Ta (FIG.1)	I <sub>O</sub>	A	1.0		
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Ta=25	I <sub>FSM</sub>	A	30		
Storage Temperature	T <sub>stg</sub>		-55 ~+150		
Junction Temperature	T <sub>j</sub>		-55 ~+125		

High Frequency Rectifier

Parameter	Symbol	Unit	1N5817	1N5818	1N5819
Typical junction capacitance	C <sub>j</sub>	pF	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 & KDUDÄF7WHU&QVHLVVRWKHUÅLVH VSHFLILHG

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7KHUPDO 5HVLVW	DQ5Hs	:			

v2UGHULQJ ,QIRUPDWLRQ ([DP SOH

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		3\$&.\$*( SFV	





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