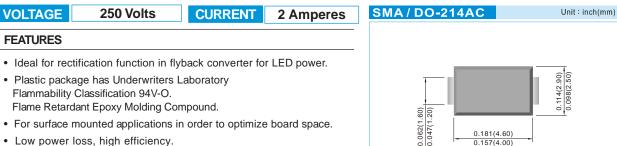


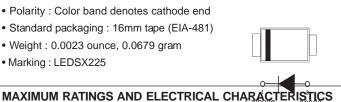
RECTIFICATION FUNCTION IN FLYBACK CONVERTER FOR LED POWER



- · High surge capacity.
- Extremely low leakage current, suitable for high temperature ambiance.
- Lead free in comply with EU RoHS 2011/65/EU directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case : JEDEC DO-214AC molded plastic
- Terminals : Solder plated, solderable per MIL-STD-750, Method 2026
- · Polarity : Color band denotes cathode end
- Standard packaging : 16mm tape (EIA-481)
- Weight : 0.0023 ounce, 0.0679 gram
- Marking: LEDSX225



0.062(1.60) 0.047(1.20) 0.157(4.00) 0.012(0.305) 0.006(0.152) 0.096(2.44) 0.060(1.52) 0.008(0.203 0.208(5.28)

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

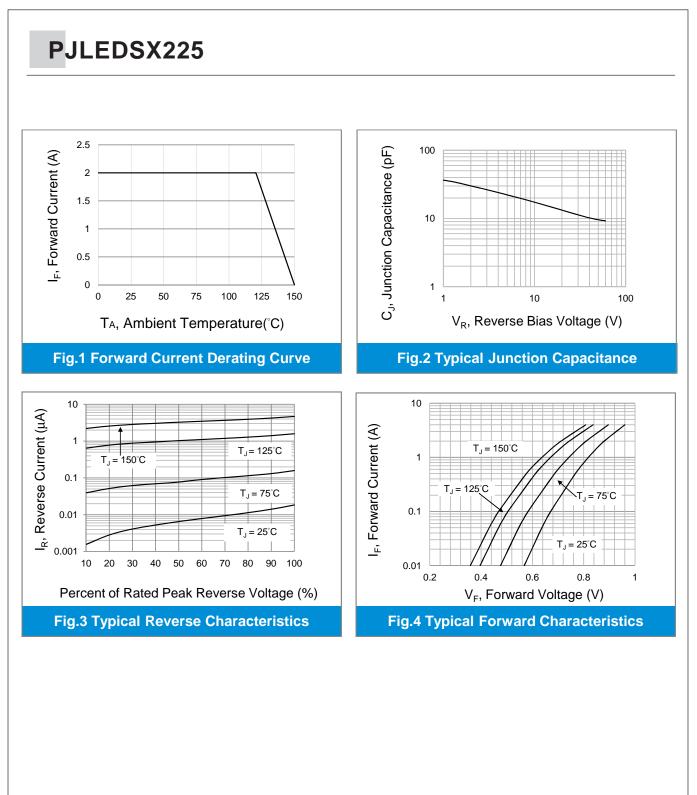
PARAMETER		SYMBOL	VALUE	UNITS
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	250	V
Maximum RMS Voltage		V _{RMS}	175	V
Maximum DC Blocking Voltage		V _{DC}	250	V
Maximum Average Forward Current		I _{F(AV)}	2	А
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		I _{FSM}	50	А
Maximum Forward Voltage at 2A		V _F	0.93	V
Maximum DC Reverse Current at Rated DC Blocking Voltage		l _R	0.2	μA
Maximum Reverse Recovery Time (Note 1)		t _{rr}	30	ns
Typical Junction capacitance (Note 2)		C	30	pF
IVDICAL JUNCTION CANACITANCE	(Note 3) (Note 4)	$f R_{_{\Theta JL}} \ R_{_{\Theta JA}}$	30 150	°C/W
Operating Junction and Storage Temperature Range		T_,T _{stg}	-55 to +150	°C

NOTES:1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=1.0A, I_{rr}=0.25A

2. Measured at 1 MHz and applied $V_r = 4$ volts.

3. Mounted on an FR4 PCB, single-sided copper, with 100cm² copper pad area

4. Mounted on an FR4 PCB, single-sided copper, mini pad.











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