## UX-F2CL15



15KV, 150mA, Fast Recovery High Voltage Diode

## **Features**

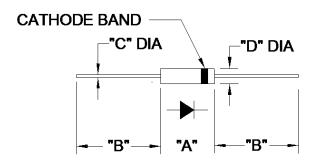
- Fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a) and EU RoHS Directive (EU) 2015/863 of March 2015, Amending Annex II



## **DEVICE ELECTRICAL CHARACTERISTICS**

( 25°C ambient temperature unless stated otherwise)	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage	-	$V_{RRM}$	15,000 Volts
Average Forward Current Maximum	$T_A = 55^{\circ}C$	I <sub>FAVM</sub>	150 mA
Average Forward Current Maximum	Toil = 55°C	I <sub>FAVM</sub>	250 mA
Maximum Forward Voltage Drop	$I_F = 100 \text{mA}$	$V_{F}$	16 Volts
Maximum Surge Current Rating	8.3msec, half sine	I <sub>FSM</sub>	20 Amps
Maximum Reverse Current	at rated V <sub>RRM</sub>	I <sub>R</sub>	0.5 μΑ
Maximum Reverse Recovery Time	$I_F=100mA$ ; $I_R=-200mA$ ; $I_{RR}=-50mA$	$T_RR$	50 ηsec
Maximum Junction Temperature	-	TJ	150°C
Storage Temperature Range	-	T <sub>STG</sub>	-55°C to 150°C

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MECHANICAL DATA	Symbol	in.	mm	in.	mm
Body Length	Α	-	-	0.6	15.3
Body Diameter	D	-	-	0.17	4.3
Lead Length	В	0.6	15.3	-	-
Lead Diameter	С	0.028	0.71	0.032	0.81



VERSION: 3.0

EFFECTIVE: 17 NOVEMBER 2016

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