



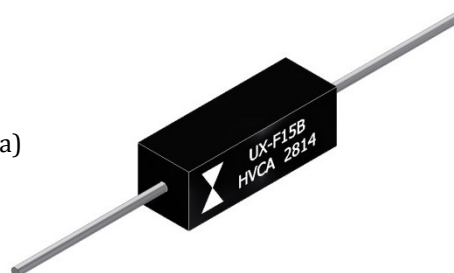
HVP
High Voltage Products. High Voltage Experts.

UX-F15B

15kV, 200mA
High Voltage Power Diode

Features

- Ultra-Fast Recovery Time
- High Peak Reverse Voltage
- Flammable Classification UL94V-0
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II; Annex III, 7(a)



Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified

	Conditions	Symbol	Value
Repetitive Peak Reverse Voltage	-	V_{RRM}	15,000 Volts
Average Forward Current Maximum	$T_A = 55^\circ\text{C}$	I_{FAVM}	200 mA
Average Forward Current Maximum	$T_{OH} = 55^\circ\text{C}$	I_{FAVM}	320 mA
Maximum Forward Voltage Drop	$I_F = 100\text{mA}$	V_F	16 Volts
Maximum Reverse Current	$V_R = V_{RRM}$	I_R	0.5 μA
Maximum Reverse Recovery Time	$I_F = 100\text{mA}; I_R = 200\text{mA}; I_{RR} = 50\text{mA}$	T_{RR}	50 ns
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0\text{VDC}$	C_j	3.5 pf
Maximum Surge Current Rating	8.3ms, half sine wave	I_{FSM}	20 Amps
Maximum Junction Temperature	-	T_j	150°C
Operating & Storage Temperature	-	T_{OS}	-55 to 150°C

Mechanical Data

	Symbol	Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.87	22.09
Body Width	D	-	-	0.30	7.62
Lead Length	B	0.87	22.09	-	-
Lead Diameter	C	-	-	0.047	1.19

