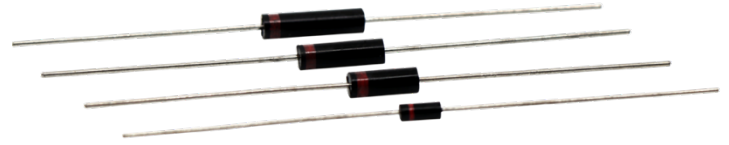




XNVG SERIES

2 to 5kV, 210 to 300mA, 50nS
XOE™ Axial Lead Diodes



Features

- Enhanced Version of DTI'S XNV Series
- High Voltage, Higher Current Diodes in Subminiature Package
- Utilizes DTI's High Performance XOE™ Technology
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material

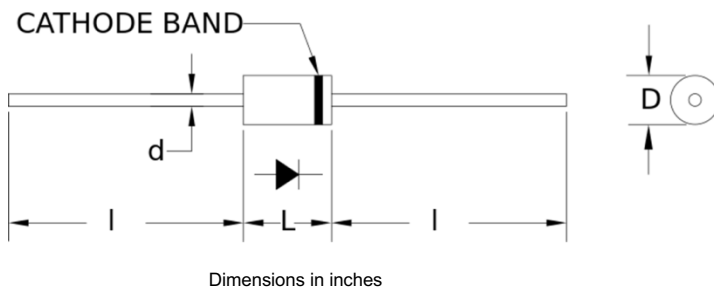
Specifications

Part Number	Values									
	V_{RRM} Max. Repetitive Reverse Voltage (V)	I_{FAVM1} Max. Average Forward Current (mA) At $T_A = 55^\circ\text{C}$ in Air	I_{FAVM2} Max. Average Forward Current (mA) At $T_A = 55^\circ\text{C}$, in Oil	V_F Max. Forward Voltage Drop (V) At I_{FAVM2}	I_R Max. Leakage Current (μA) At V_{RRM}	I_{FSM} Max. Surge Current (A) At 8.3 mS, Single Half Sine	C_J Typical Junction Capacitance (pF) At $V_R = 0\text{VDC}$, $f = 1\text{MHz}$	T_{RR} Max. Reverse Recovery Time (nS) $I_F = 0.5 I_{FAVM1}$; $I_R = -I_{FAVM1}$; $I_{RR} = -0.25 I_{FAVM1}$	$R_{\theta JA}$ Typical Thermal Resistance ($^\circ\text{C/W}$) Junction to Ambient, in Air	E_{RSM} Max. Reverse Energy Withstand (mJ)
XNVG02	2000	300	540	5.5	0.05	10	2.0	50	80	40
XNVG03	3000	270	480	7.3	0.05	9	1.9	50	80	40
XNVG04	4000	240	425	9.8	0.05	8	1.7	50	80	40
XNVG05	5000	210	375	11.3	0.05	7	1.5	50	80	40

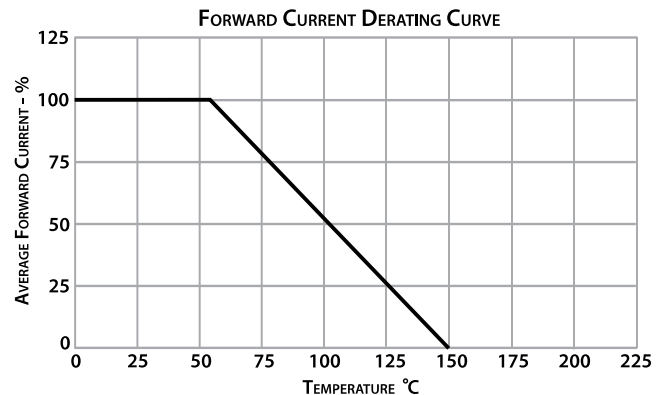
Note: Specifications are measured with a 25°C ambient temperature unless stated otherwise.

Temperature		
T_{STG}	Storage Temperature	-55 to 175°C
T_{OP}	Operating Temperature	-55 to 150°C
T_{JMAX}	Maximum Junction Temperature	150°C

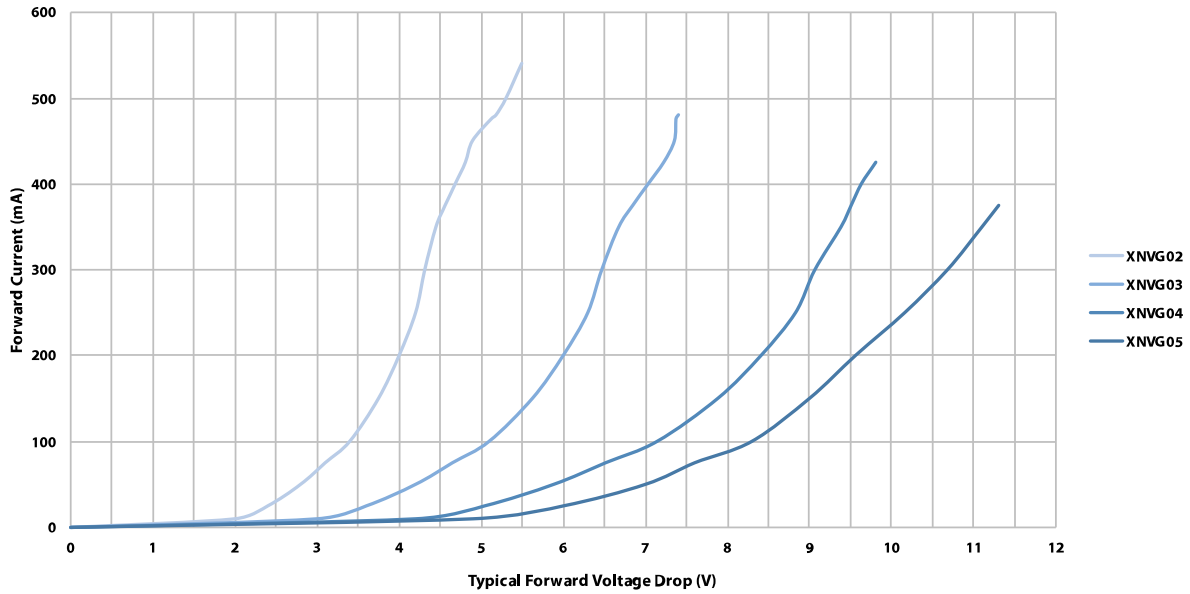
Drawings and Curves



Dimensions			
L (in)	D (in)	d (in)	l (in)
0.12	0.08	0.020	1.00



Forward Current vs. Typical Forward Voltage Drop $T_A = 25^\circ\text{C}$
XNVG Series



Note: Specifications subject to change without notice. Photo is representation only.