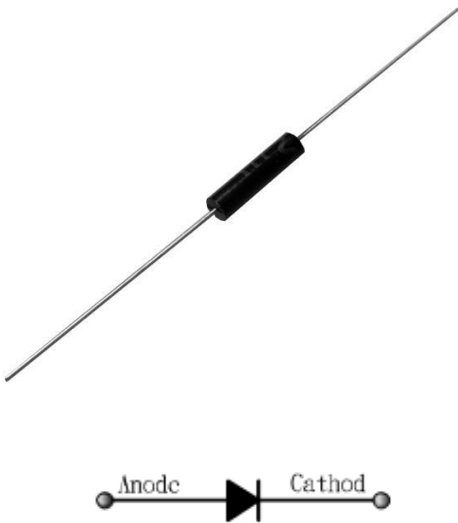
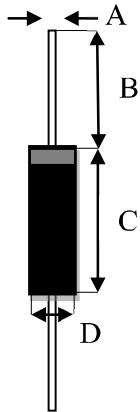


Axial Lead 	Features • Low forward voltage drop • PI passivation for dielectric isolation • Fz silicon for High reliability/resistivity • Fully vertically integrated manufacturing • <45kv for High performance ignition • Suitable for CNG engine ignition • Small footprint and physical size • Available in Ag or Sn plated leads • High surge (IFSM) capability • Suffix “F” indicates halogen free																								
Primary Characteristics <table><tr><td>$I_{F(AV)}$</td><td>60mA</td></tr><tr><td>V_{RM}</td><td>45000V</td></tr><tr><td>V_F</td><td>60.0V</td></tr><tr><td>I_{FSM}</td><td>3A</td></tr><tr><td>T_J max.</td><td>-40 ~ +150 °C</td></tr></table>	$I_{F(AV)}$	60mA	V_{RM}	45000V	V_F	60.0V	I_{FSM}	3A	T_J max.	-40 ~ +150 °C	Mechanical Data • Case : Axial lead, Molded plastic • Terminal: Pure tin or silver plated, lead free • Polarity : Indicated by cathode band														
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Maximum Rating (Ta=25°C unless otherwise noted) <table><tr><td>Parameter</td><td>Symbol</td><td>Value</td><td>Unit</td></tr><tr><td>Peak Reverse Voltage</td><td>V_{RM}</td><td>45000</td><td>V</td></tr><tr><td>Average Forward Current</td><td>$I_{F(AV)}$</td><td>60</td><td>mA</td></tr><tr><td>Peak Forward Surge Current – 50Hz half-sine wave , one shot</td><td>I_{FSM}</td><td>3</td><td>A</td></tr><tr><td>Operating Junction Temperature</td><td>T_J</td><td>-40 ~ +150</td><td>°C</td></tr><tr><td>Storage Temperature</td><td>T_{STG}</td><td>-40 ~ +150</td><td>°C</td></tr></table>		Parameter	Symbol	Value	Unit	Peak Reverse Voltage	V_{RM}	45000	V	Average Forward Current	$I_{F(AV)}$	60	mA	Peak Forward Surge Current – 50Hz half-sine wave , one shot	I_{FSM}	3	A	Operating Junction Temperature	T_J	-40 ~ +150	°C	Storage Temperature	T_{STG}	-40 ~ +150	°C
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Parameter	Test Condition		Symbol	Spec.	Unit
Forward Voltage Drop	$T_J=25^\circ\text{C}$	$I_F=10\text{mA}$	V_F	60.0	V
Reverse Leakage Current	$T_J=25^\circ\text{C}$	$V_R=V_{RRM}$	I_R	10.0	uA

Package Outline Dimensions



Dim.	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	0.030	0.033	0.77	0.83
B	1.023	-	26.0	-
C	0.583	0.598	14.8	15.2
D	0.157	0.173	4.0	4.4

Marking Code: **T0645**

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