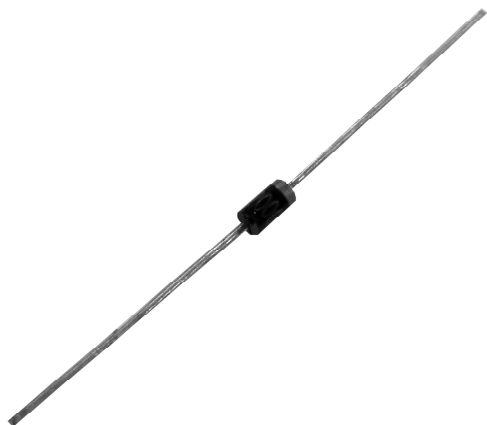


Axial($\Phi 2.5/\Phi 0.5/5$)



Features

- Low forward voltage drop
- High reliability
- Small size
- Suffix "F" indicates halogen free parts, ex. SPAL00350F



Mechanical Data

- Case : Axial($\Phi 2.5/\Phi 0.5/5$), Molded plastic
- Terminal: Pure tin plated, lead free
- Polarity : Indicated by cathode band

Primary Characteristics

$I_{F(AV)}$	30mA
V_{RM}	5000V
V_F	8.0V
I_{FSM}	3A
T_J max.	-40 ~ +150 °C

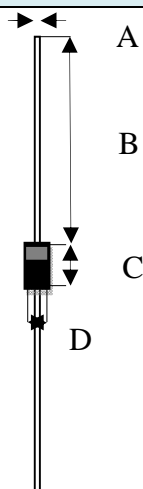
Maximum Rating ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	5000	V
Average Forward Current	$I_{F(AV)}$	30	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

Maximum Rating ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Test Condition		Symbol	Spec.	Unit
Forward Voltage Drop	$T_J=25^\circ\text{C}$	$I_F=10\text{mA}$	V_F	8.0	V
Reverse Leakage Current	$T_J=25^\circ\text{C}$	$V_R=V_{RRM}$	I_R	10	μA
Reverse Breakdown Voltage	$T_J=25^\circ\text{C}$	$I_R=100\mu\text{A}$	V_Z	5.6~8.0	KV

Package Outline Dimensions



Dim.	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	0.018	0.021	0.47	0.53
B	1.023	-	26.0	-
C	0.188	0.205	4.80	5.20
D	0.090	0.107	2.30	2.70

Marking Code: T0305

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