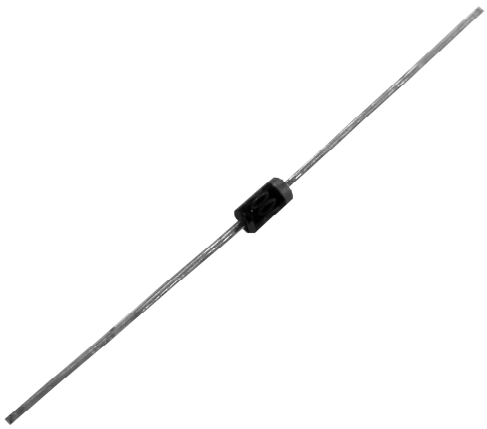
Axial(Φ2.5/Φ0.5/5)





Features

- Low forward voltage drop
- High reliability
- Small size
- Suffix “F” indicates halogen free parts, ex. SPAL00315F

Mechanical Data

- Case：Axial(Φ2.5/Φ0.5/5), Molded plastic
- Terminal: Pure tin plated, lead free
- Polarity：Indicated by cathode band

Primary Characteristics

$I_{F(AV)}$	30mA
V_{RM}	1500V
V_F	2.0V
I_{FSM}	3A
T_J max.	-40 ~ +150 °C

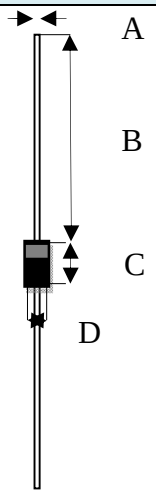
Maximum Rating (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	1500	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 (Ta=25°C unless otherwise noted)

Parameter	Test Condition		Symbol	Spec.	Unit
Forward Voltage Drop	T_j=25°C	I_F=10mA	V_F	2.0	V
Reverse Leakage Current	T_j=25°C	V_R=V_{RRM}	I_R	10	uA
Reverse Breakdown Voltage	T_j=25°C	I_R=100uA	V_Z	1.6~2.0	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: T0302

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