

Axial($\Phi 7.5/\Phi 1.2/22$)



Features

- Low forward voltage drop
- High reliability
- Small size
- Suffix "F" indicates halogen free parts, ex. SPAL03585F



Mechanical Data

- Case : Axial($\Phi 7.5/\Phi 1.2/22$), Molded plastic
- Terminal: Pure tin plated, lead free
- Polarity : Indicated by cathode band

Primary Characteristics

$I_{F(AV)}$	350mA
V_{RM}	8500V
V_F	14.0V
T_{rr}	75nS
I_{FSM}	20A
$T_J \text{ max.}$	-40 ~ +150 °C

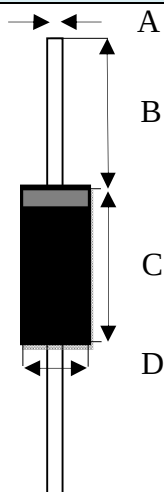
Maximum Rating ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	8500	V
Average Forward Current	$I_{F(AV)}$	350	mA
Peak Forward Surge Current – 8.3ms half-sine wave , one shot	I_{FSM}	20	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	14.0	V
Reverse Leakage Current	$T_J=25^\circ\text{C}$	$V_R=V_{RRM}$	I_R	5	uA
Reverse Recovery Time	$I_F=0.5\text{A}, I_R=1\text{A}, I_{RR}=0.25\text{A}$		T_{rr}	75	nS

Package Outline Dimensions



Dim.	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	0.046	0.049	1.17	1.23
B	0.866	-	22.0	-
C	0.846	0.886	21.5	22.5
D	0.275	0.315	7.0	8.0

Marking Code: TG3508

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