Axial(Φ7.5/Φ1.2/22)

Features

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

Mechanical Data

- Case：Axial(Φ7.5/Φ1.2/22), 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 max.	-40 ~ +150 °C

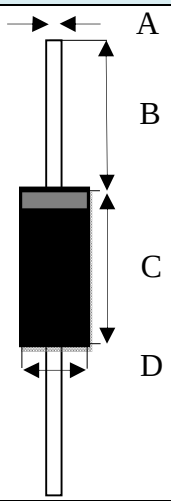
Maximum Rating (Ta=25°C unless otherwise noted)

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 (Ta=25°C unless otherwise noted)

Parameter	Test Condition		Symbol	Spec.	Unit
Forward Voltage Drop	T_j=25°C	I_F=10mA	V_F	14.0	V
Reverse Leakage Current	T_j=25°C	V_R=V_{RRM}	I_R	5	uA
Reverse Recovery Time	I_F=0.5A, I_R=1A, I_{RR}=0.25A		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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