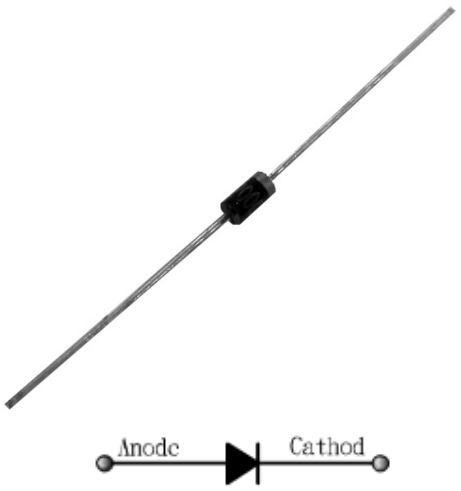
Automotive Ignition Avalanche Diode - 4,000V
SPAL00340L



Features

- High Voltage Ignition Application
- RoHS Compliant
- WEEE 2002/96/EC Compliant
- Low forward voltage drop
- Low leakage current
- High reliability
- High forward surge capability
- High current capability
- Small size
- Suffix “L” indicates 6.5mm body length
- Suffix “F” indicates halogen

Primary Characteristics

V_Z	4500 ~ 8000V
V_R	2800V
$I_{F(AV)}$	30mA
V_F	8.0V
I_{FSM}	3A
T_J max.	-55 ~ +175 °C

Mechanical Data

- Case：Molded plastic
  - Body Diameter 2.5mm
  - Lead Diameter 0.5mm
  - Body Length 6.5mm
- Terminal: Pure tin plated, lead free
- Polarity：Indicated by cathode band

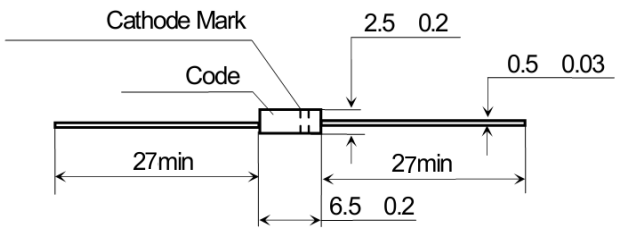
Maximum Rating (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	4000	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	-55 ~ +175	°C
Storage Temperature	T_{STG}	-55 ~ +190	°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	8.0	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	4.5~8.0	KV

Package Outline Dimensions



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