

SR24ALF

LOW VF SCHOTTKY BARRIER RECTIFIER

VOLTAGE 45 Volts **CURRENT** 2 Amperes

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O
- For surface mounted applications
- Low profile package
- Built-in strain relief
- Metal to silicon rectifier. majority carrier conduction
- Low power loss,high efficiency
- High surge capacity
- For use in low voltage high frequency inverters, free wheeling, and polarity protection applications
- Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

Case : SMAF, Plastic

Terminals : Solderable per MIL-STD-750, Method 2026

Polarity: Color band denotes cathode end

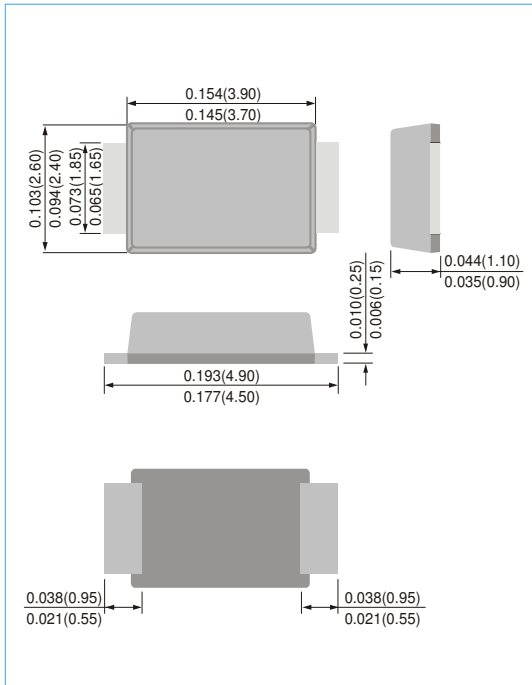
Weight: 0.0011 ounces, 0.0328 grams

Marking: SR24AL



SMAF

Unit : inch(mm)



ABSOLUTE MAXIMUM RATINGS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNIT
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	45	V
Maximum RMS Voltage	V_{RMS}	31.5	V
Maximum DC Blocking Voltage	V_R	45	V
Average Rectified Output Current	$I_{F(AV)}$	2	A
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	80	A
Typical Thermal Resistance, Junction to Lead (Note 1)	$R_{\theta L}$	20	°C/W
Operating Junction Temperature and Storage Temperature Range	T_J, T_{STG}	-55 to + 150	°C

NOTES:

1. Mounted on 48cm² FR-4 PCB .