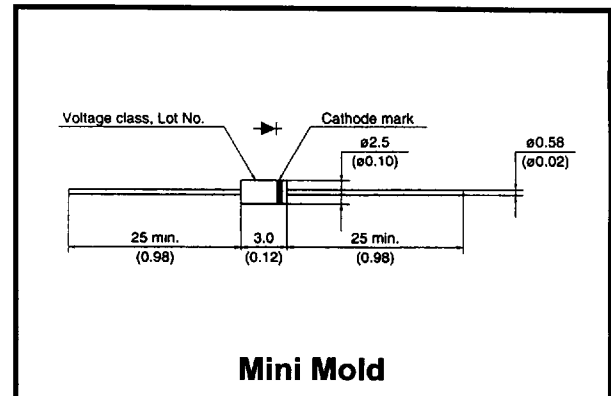


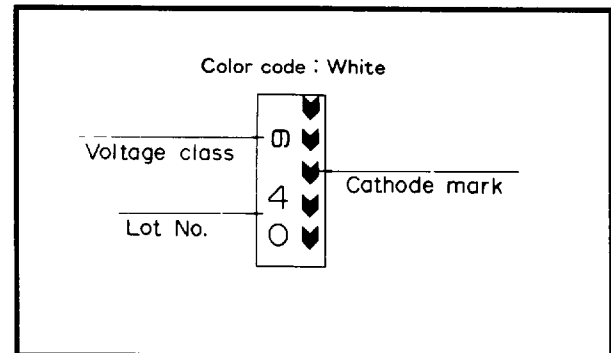
ERA83-004 (1A)

SCHOTTKY BARRIER DIODE

Outline Drawing



Marking



Features

- Low V_F
- Ultra small package, possible for 5mm pitch automatic insertion
- Super high speed switching
- High reliability by planer design

Applications

- High speed power switching

Maximum Ratings & Characteristics

- Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings	Units
Repetitive Peak Reverse Voltage	V_{RRM}		45	V
Non-Repetitive Peak Reverse Voltage	V_{RSM}	$t_w = 500ns$, duty 1/40	48	V
Average Forward Current	$I_{F(AV)}$	$T_J = 115^\circ C$, Sq. wave, duty=1/2	1.0*	A
Surge Current	I_{FSM}	Sine Wave, 10ms	50	A
Operating Junction Temperature	T_J		-40 to +125	$^\circ C$
Storage Temperature	T_{stg}		-40 to +125	$^\circ C$

*Mounted on printed circuit board

- Electrical Characteristics ($T_a = 25^\circ C$ Unless otherwise specified)

Items	Symbols	Conditions	Ratings	Units
Forward Voltage Drop	V_F	$I_F = 1A$	0.55	V
Reverse Current	I_R	$V_R = V_{RRM}$	2.0	mA

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