

SURFACE MOUNT SCHOTTKY DIODES

VOLTAGE

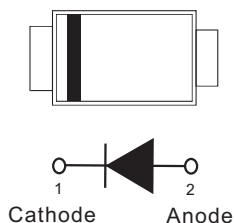
40 Volts

CURRENT

300 mA

FEATURES

- Extremely Fast Switching Speed
- Very Low V_F : 0.325V (Typ) at $I_F = 1\text{mA}$
- Surface mount package ideally suited for automatic insertion
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ABSOLUTE RATINGS

Parameter	Symbol	Value	Units
Maximum Peak Reverse Voltage	V_{RRM}	40	V
Reverse DC Voltage	V_R	30	V
Maximum Forward Current	$I_{F(AV)}$	0.3	A
Power Dissipation (Note 1)	P_{TOT}	0.2	W
Peak Forward Surge Current at $t=1000\text{ms}$	I_{FSM}	0.6	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 125	$^{\circ}\text{C}$

THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Thermal Resistance, Junction to Ambient ⁽¹⁾	$R_{\theta JA}$	635	$^{\circ}\text{C/W}$

Note : 1. FR-4 Board = 70 x 60 x 1mm. Minmum Pad Layout