



# BAT400D

## SURFACE MOUNT SCHOTTKY BARRIER DIODES

**VOLTAGE** 40 Volts **POWER** 480 mWatts

### FEATURES

- Low Forward voltage Drop
- High Conductance
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### MAXIMUM RATINGS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

Characteristic	Symbol	Value	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$ $V_{RWM}$ $V_R$	40	V
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Average Rectified Current	$I_{F(AV)}$	0.5	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave supimposed on rated load (JEDEC Method)	$I_{FSM}$	5.5	A
Power Dissipation (see figure 1)	$P_D$	480	mW
Typical Thermal Resistance, Junction to Ambient Air	$R_{\theta JA}$	286	°C/W
Operation and Storage Temperature Range	$T_J, T_{STG}$	-40 to +125	°C

NOTE : 1.Short duration pulse test used to minimize self-heating effect.

SINGLE

