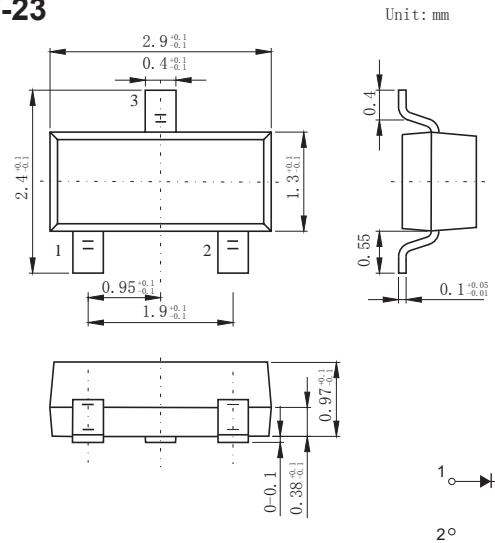


SCHOTTKY BARRIER DIODE
VOLTAGE RANGE: 25V PEAK PULSE POWER:200mW
FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

MECHANICAL DATA

- Case: SOT-23 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any

SOT-23

MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 C ambient temperature unless otherwise specified

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	25	V
DC reverse voltage	V_R	20	V
Mean rectifying current	I_F	1	A
Non-repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	3	A
Power dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Specification ($T_A=25@25^{\circ}C$ unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F		0.45		V	$I_F=1A$
Reverse current	I_R		200		μA	$V_R=20V$

Marking: D2E

RATINGS AND CHARACTERISTIC CURVES

