

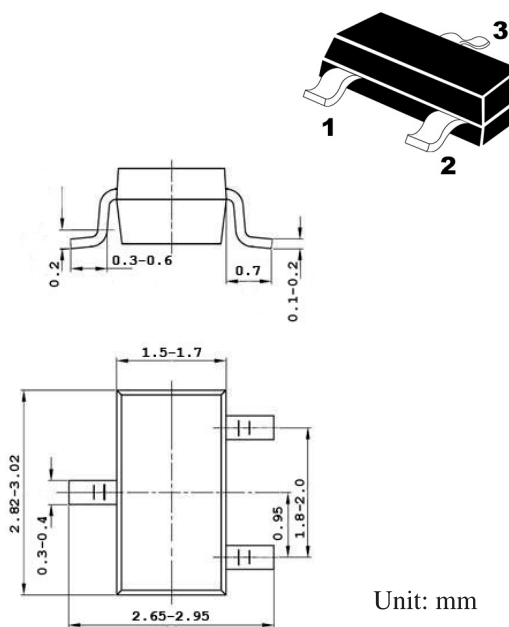
SCHOTTKY BARRIER DIODE

VOLTAGE RANGE: 20 VOLTS

CURRENT: 1A

FEATURES

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

MARKING: D2E
SOT-23-3L

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Limits	UNITS
Peak Reverse Voltage	V_{RM}	25	V
DC Reverse Voltage	V_R	20	V
Mean Rectifying Current	I_F	1	A
Peak Forward Surge Current	I_{FSM}	3	A
Junction Temperature	T_{rj}	125	°C
Storage Temperature	T_{stg}	-40~+125	°C

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Forward Voltage	V_F	$I_F=1A$			0.45	V
Reverse Current	I_R	$V_R=20V$			200	μA