SCHOTTKY BARRIER DIODE

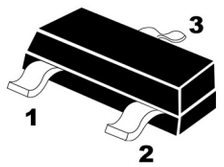
VOLTAGE RANGE: 40 VOLTS
CURRENT: 500mA

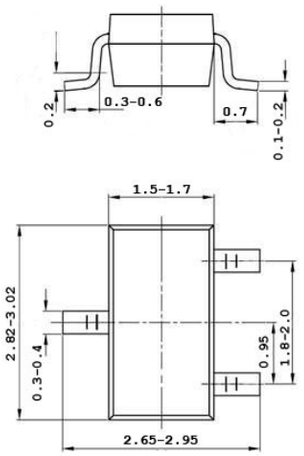
FEATURES

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

MARKING: D3A

SOT-23-3L





Unit: mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Parameters	Symbols	Limits	UNITS
Peak Reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	40	V
Mean Rectifying Current	I_O	500	mA
Peak Forward Surge Current	I_{FSM}	3	A
Junction Temperature	T_{rj}	125	℃
Storage Temperature	T_{stg}	-40~+125	℃

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Forward Voltage	V_F	I_F=0.5A			0.55	V
Reverse Current	I_{R1}	V_R=30V			50	μA
	I_{R2}	V_R=10V			30	μA
Capacitance Between Terminals	C_T	V_R =0V, f=1MHz		125		pF
	C_T	V_R =10V, f=1MHz		20		pF