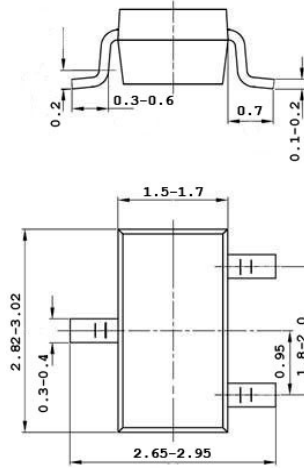
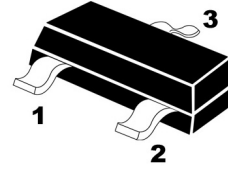


SCHOTTKY BARRIER DIODE

 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°C 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_{ij}	125	°C
Storage Temperature	T_{stg}	-40~+125	°C

ELECTRICAL RATINGS

Parameters	Symbols	Test conditions	Min.	Typ.	Max.	UNITS
Forward Voltage	V_F	$I_F=0.5A$			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

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