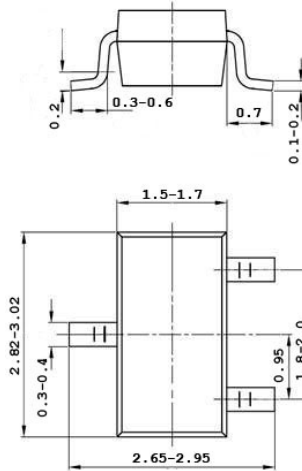
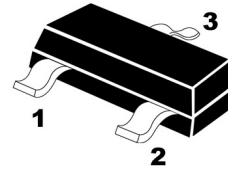


**SCHOTTKY BARRIER DIODE**

 VOLTAGE RANGE: 40 VOLTS  
 CURRENT: 100mA

**FEATURES**

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

**MARKING: D3C**
**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	$I_o$	100	mA
Peak Forward Surge Current	$I_{FSM}$	1	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	$V_{F1}$	$I_F=100mA$			0.55	V
	$V_{F2}$	$I_F=10mA$			0.34	V
Reverse Current	$I_R$	$V_R=10V$			30	μA
Capacitance Between Terminals	$C_T$	$V_R=10V, f=1MHz$		6		pF

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