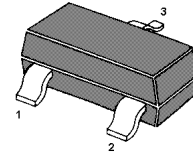
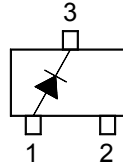


SDB160

Surface Mount Schottky Barrier Diodes

Features

- Low forward voltage drop
- Low reverse leakage



Marking Code: **KD6**
TO-236 Plastic Package

Absolute Maximum Ratings ($T_a = 25\text{ }^{\circ}\text{C}$)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	60	V
Working Peak Reverse Voltage	V_{RWM}	60	V
DC Blocking Voltage	V_R	60	V
Average Forward Current	$I_{F(AV)}$	1	A
Repetitive Peak Forward Current	I_{FRM}	1.6	A
Peak Forward Surge Current (8.3 ms)	I_{FSM}	15	A
Power Dissipation	P_D	500	mW
Junction Temperature	T_j	- 65 to +150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 65 to +150	$^{\circ}\text{C}$

Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 300\text{ }\mu\text{A}$	$V_{(BR)R}$	60	-	-	V
Forward Voltage at $I_F = 500\text{ mA}$ at $I_F = 750\text{ mA}$ at $I_F = 1\text{ A}$ at $I_F = 1.5\text{ A}$	V_F	- - - -	- - - -	0.47 0.53 0.6 0.74	V
Reverse Current at $V_R = 45\text{ V}$	I_R	-	-	100	μA
Total Capacitance at $V_R = 25\text{ V}$, $f = 1\text{ MHz}$	C_T	-	19	-	pF

