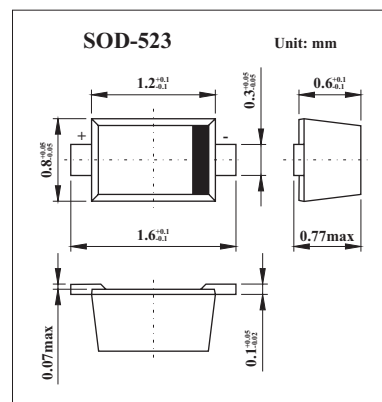


Band-Switching Diode

KA277(BA277)

■ Features

- Small plastic SMD package
- Continuous reverse voltage: max. 35 V
- Continuous forward current: max. 100 mA
- Low diode capacitance: max. 1.2 pF
- Low diode forward resistance: max. $0.7\ \Omega$.

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

Parameter	Symbol	Rating	Unit
continuous reverse voltage	V_R	35	V
continuous forward current	I_F	100	mA
total power dissipation $T_s = 90^\circ\text{C}$	P_{tot}	715	mW
thermal resistance from junction to soldering-point	$R_{th\ j-s}$	85	K/W
storage temperature	T_{stg}	-65 to +150	$^\circ\text{C}$
junction temperature	T_j	-65 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Testconditions	Max	Unit
forward voltage	V_F	$I_F = 10\text{ mA}$	1	V
reverse current	I_R	$V_R = 25\text{ V}$	50	nA
		$V_R = 20\text{ V}; T_a = 75^\circ\text{C}$	1	μA
diode capacitance	C_d	$f = 1\text{ MHz}; V_R = 6\text{ V}$	1.2	pF
diode forward resistance	r_D	$I_F = 2\text{ mA}; f = 100\text{ MHz}$	0.7	Ω

■ Marking

Marking	A
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