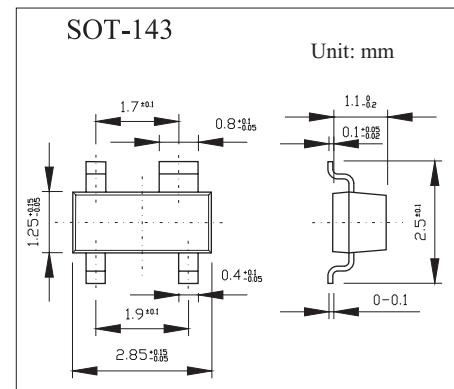


## UHF variable capacitance double diode

## BBY62

## ■ Features

- Excellent linearity
- Small plastic SMD package
- C28:1.9 pF; ratio: 8.3.

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

Parameter	Symbol	Test Condition	Min	Max	Unit
continuous reverse voltage	$V_R$			200	V
continuous forward current	$I_F$	single diode loaded		225	mA
storage temperature	$T_{stg}$		-65	+150	$^\circ\text{C}$
operating junction temperature	$T_j$			150	$^\circ\text{C}$

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

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
reverse current	$I_R$	$V_R = 28\text{ V}$			10	nA
		$V_R = 28\text{ V}; T_j = 85^\circ\text{C}$			200	nA
diode series resistance		$f = 470\text{ MHz}$ ; note 1			1.2	$\Omega$
diode capacitance	$C_d$	$V_R = 1\text{ V}; f = 1\text{ MHz}$		16.5		pF
		$V_R = 28\text{ V}; f = 1\text{ MHz}$	1.6		2	pF
capacitance ratio	$\frac{C_d(1\text{ V})}{C_d(28\text{ V})}$	$f = 1\text{ MHz}$		8.3		

Note

1.  $V_R$  is the value at which  $C_d = 9\text{ pF}$ .

## ■ Marking

Marking	S4
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