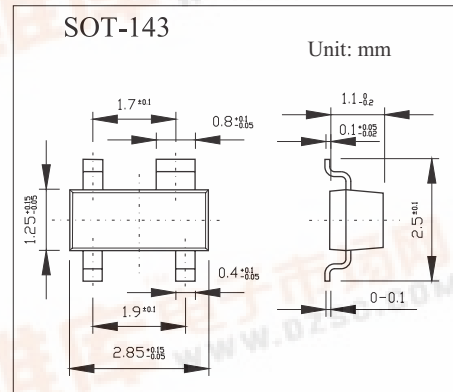


SMD Type Diodes

UHF variable capacitance double diode  
BBY62

Features

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



Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Test Condition	Min	Max	Unit
continuous reverse voltage	VR			200	V
continuous forward current	IF	single diode loaded		225	mA
storage temperature	Tstg		-65	+150	°C
operating junction temperature	Tj			150	°C

Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
reverse current	IR	VR = 28 V			10	nA
		VR = 28 V; Tj = 85°C			200	nA
diode series resistance		f = 470 MHz; note 1			1.2	Ω
diode capacitance	Cd	VR = 1 V; f = 1 MHz		16.5		pF
		VR = 28 V; f = 1 MHz	1.6		2	pF
capacitance ratio	$\frac{C_d(1V)}{C_d(28V)}$	f = 1 MHz		8.3		

Note

1. VR is the value at which Cd = 9 pF.

Marking

Marking	S4
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