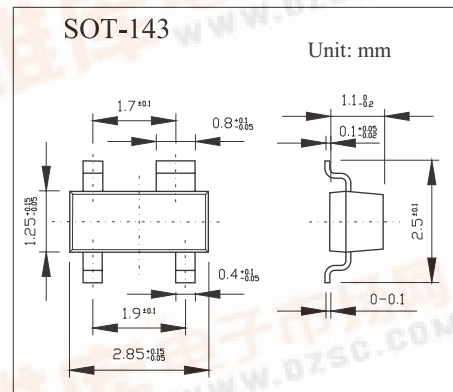


SMD Type Diodes

Silicon RF Switching Diode
BAR65-07



Features

- Low loss, low capacitance PIN-Diode
- Band switch for TV-tuners
- Series diode for mobile communications transmit-receive switch
- Unconnected pair

Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Value	Unit
Diode reverse voltage	VR	30	V
Forward current	IF	100	mA
Operating temperature range	Top	-55 to +125	°C
Storage temperature	Tstg	-55 to +150	°C

Note

1. Unit Rating. Total Rating = Unit Rating × 1.5

Electrical Characteristics Ta = 25°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current	IR	VR = 20 V; TA = 25°C			20	nA
Forward voltage	VF	IF = 100 mA		0.93	1	V
Diode capacitance	CT	VR = 1 V, f = 1 MHz		0.6	0.9	pF
		VR = 3 V, f = 1 MHz		0.57	0.8	
Forward resistance	rf	IF = 5 mA, f = 100 MHz		0.65	0.95	Ω
		IF = 10 mA, f = 100 MHz		0.56	0.9	
Series inductance	Ls			1.4		nH

Marking

Type	BAR65-07
Marking	M