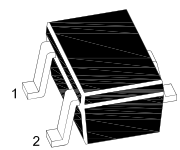
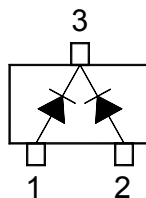


1PS3C02CCW

Silicon Epitaxial Planar PIN Diode

for UHF~VHF Band RF switch applications



Marking code: **5N**
SOT-323 Plastic Package

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

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Continuous Forward Current	$I_{F(AV)}$	50	mA
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^{\circ}\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Reverse Voltage at $I_R = 10\text{ }\mu\text{A}$	V_R	30	-	V
Forward Voltage at $I_F = 50\text{ mA}$	V_F	-	0.98	V
Reverse Current at $V_R = 30\text{ V}$	I_R	-	100	nA
Capacitance between Terminal at $V_R = 1\text{ V}$, $f = 1\text{ MHz}$	C_T	-	0.48	pF
Series resistance at $I_F = 10\text{ mA}$, $f = 100\text{ MHz}$	r_s	-	2	Ω

