

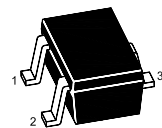
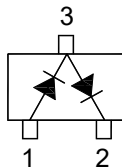
1PS779SEW

Silicon Epitaxial Planar PIN Diode

for AGC, Switching applications

Features

- High-frequency resistance which is small and low capacity



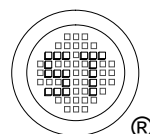
SOT-323 Plastic Package
Marking Code: **5M**

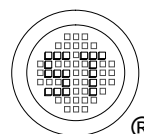
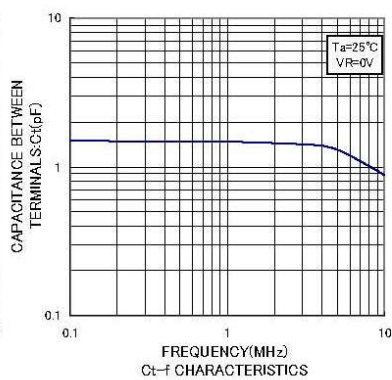
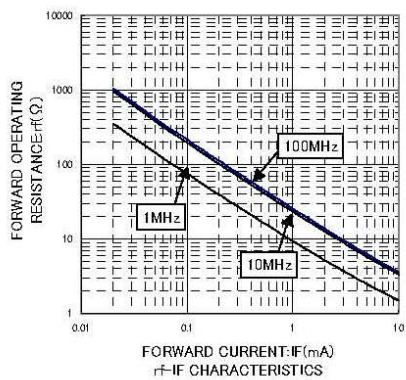
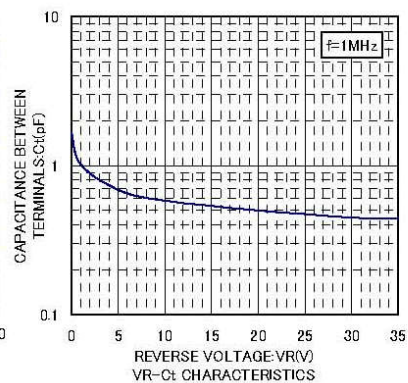
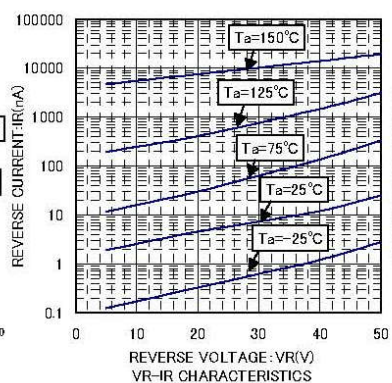
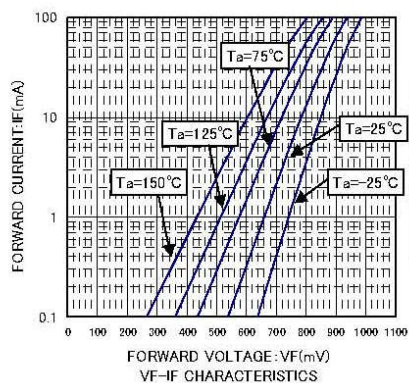
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	50	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 $T_a = 25^\circ\text{C}$

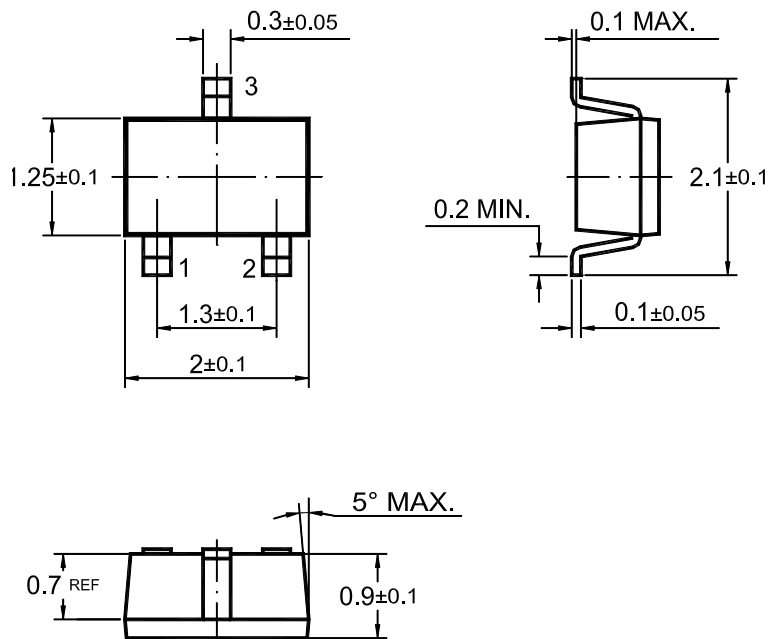
Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10\text{ mA}$	V_F	1	V
Reverse Current at $V_R = 50\text{ V}$	I_R	100	nA
Capacitance between Terminal at $V_R = 35\text{ V}$, $f = 1\text{ MHz}$	C_t	0.9	pF
High frequency resistance at $I_F = 10\text{ mA}$, $f = 100\text{ MHz}$	r_f	7	Ω



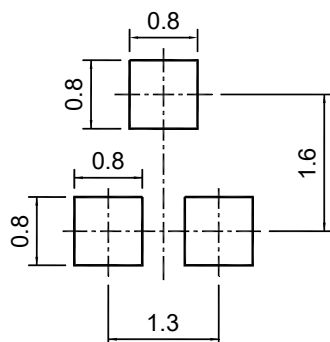


PACKAGE OUTLINE(Dimensions in mm)

SOT-323



Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
SOT-323	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

Marking information

" 5M " = Part No.
 " YM " = Date Code Marking
 " Y " = Year
 " M " = Month
 Font type: Arial

