

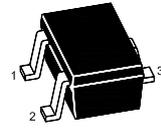
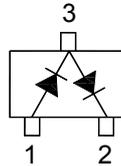
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Silicon Epitaxial Planar PIN Diode

for AGC, Switching applications

Features

- High-frequency resistance which is small and low capacity



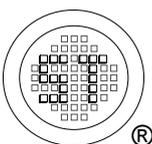
SOT-323 Plastic Package
Marking Code: **5M**

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

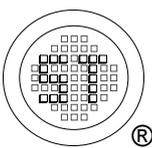
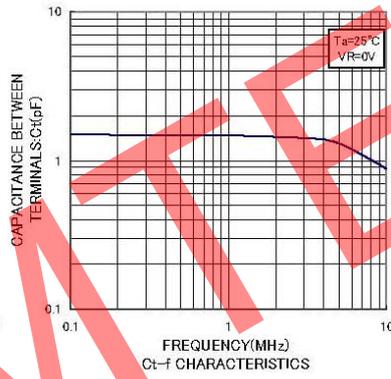
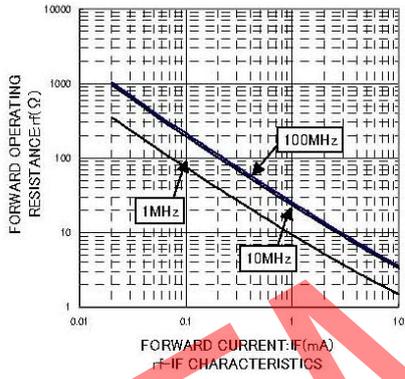
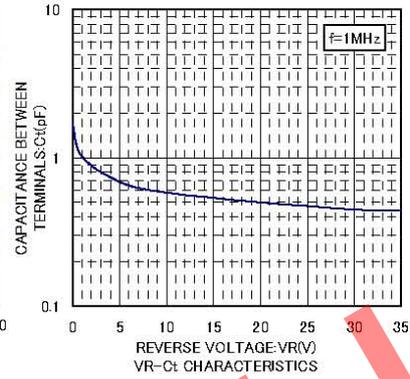
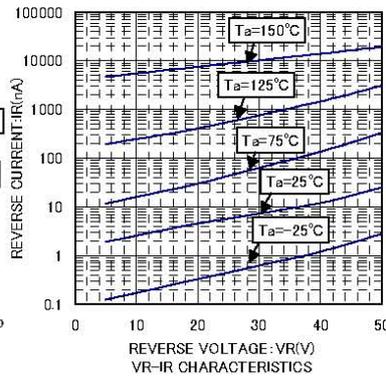
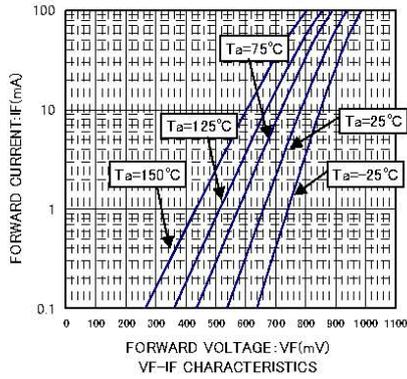


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Dated: 30/11/2011 Rev: 01

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