

N type GaAs epitaxial planar type

■ Features

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

Unit : mm

Top View Dimensions:

- Top Pad: $0.30^{+0.10}_{-0.05}$
- Pin 1: 2
- Pin 2: 1
- Body Width: 1.25 ± 0.10
- Body Height: 1.7 ± 0.10
- Overall Height: 2.5 ± 0.2
- Pin 1 Offset: (0.4)

Side View Dimensions:

- Lead Angle: 5°
- Pin 1 Offset: (0.4)
- Pin 2 Offset: $0.16^{+0.10}_{-0.06}$

Front View Dimensions:

- Lead Angle: 7°
- Pin 1 Offset: 0.9 ± 0.1
- Pin 2 Offset: 0.90 ± 0.15
- Pin 1 Offset: 0.00 ± 0.05

1 : Anode
2 : Cathode

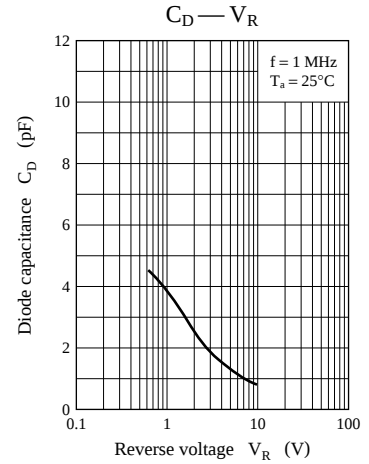
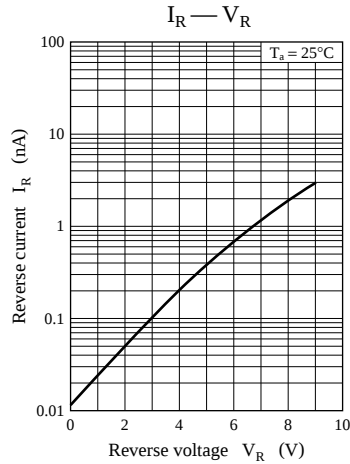
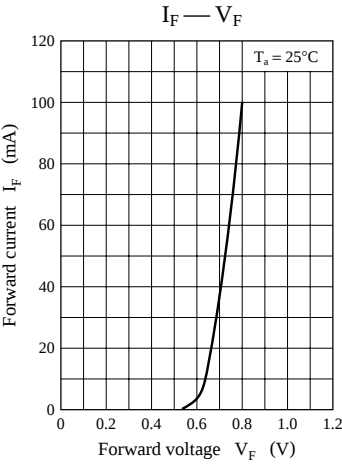
SMini2-G1 Package

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 6 \text{ V}$			50	nA
Forward voltage (DC)	V_F	$I_F = 300 \text{ mA}$			0.8	V
Reverse voltage (DC)	V_R	$I_R = 1 \mu\text{A}$	10			V
Diode capacitance	$C_{D(1V)}$	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$		3.7	5.0	pF
	$C_{D(4V)}$	$V_R = 4 \text{ V}, f = 1 \text{ MHz}$	1.0	1.4		pF
Series resistance*	r_D	$C_D = 1.6 \text{ pF}, f = 470 \text{ MHz}$		0.3	0.5	Ω

2. *: rf measuring instrument: RF IMPEDANCE ANALYZER

Note) The part number in the parenthesis shows conventional part number.



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