

RN779F

For AGC, Switching.

- 1) Small mold type. (UMD3)
- 2) High-frequency resistance switch is small and low capacity.

Silicon epitaxial planar

The drawing shows the UMD3 package with the following dimensions:

- Top View:**
 - Overall width: 2.0 ± 0.2
 - Lead width: 0.3 ± 0.1
 - Lead pitch: 0.65 (labeled (0.65) for both left and right leads)
 - Lead thickness: 1.3 ± 0.1
 - Body width: 1.25 ± 0.1
 - Body length: 2.1 ± 0.1
 - Lead length: 0.7 ± 0.1
 - Overall length: 0.9 ± 0.1
- Side View:**
 - Lead height: 0.15 ± 0.05
 - Lead thickness: 0.1 Min.
 - Lead width: 0.7 ± 0.1
 - Overall length: 0.9 ± 0.1

Other labels include: "Each lead has same dimension", "(1)", "(2)", "(3)", and a dashed box indicating the "5M" marking area.

Diagram of UMD3 showing dimensions: 1.3, 0.65, 0.9MIN., 0.8MIN., and 1.6.

Technical drawing of a mechanical part, showing a top view and a side view. The top view includes dimensions for hole positions and diameters. The side view shows the profile of the part with its overall dimensions.

Top View Dimensions:

- Distance between first two hole centers: 4.0 ± 0.1
- Distance between second and third hole centers: 2.0 ± 0.05
- Distance between third and fourth hole centers: 4.0 ± 0.1
- Distance from left edge to first hole center: 2.25 ± 0.1
- Distance from right edge to fourth hole center: 0
- Hole diameter: $\phi 1.55 \pm 0.05$
- Distance from bottom edge to hole center line: 5.5 ± 0.2
- Distance from bottom edge to hole center line (alternative): 2.4 ± 0.1
- Distance from bottom edge to hole center line (alternative): 3.5 ± 0.05
- Distance from bottom edge to hole center line (alternative): 1.75 ± 0.1
- Overall width: 8.0 ± 0.2
- Overall height: 24 ± 0.1
- Bottom flange width: 1.25 ± 0.1
- Bottom flange thickness: 0.3 ± 0.1

Side View Dimensions:

- Overall height: 24 ± 0.1
- Bottom flange width: 1.25 ± 0.1
- Bottom flange thickness: 0.3 ± 0.1

Other Dimensions:

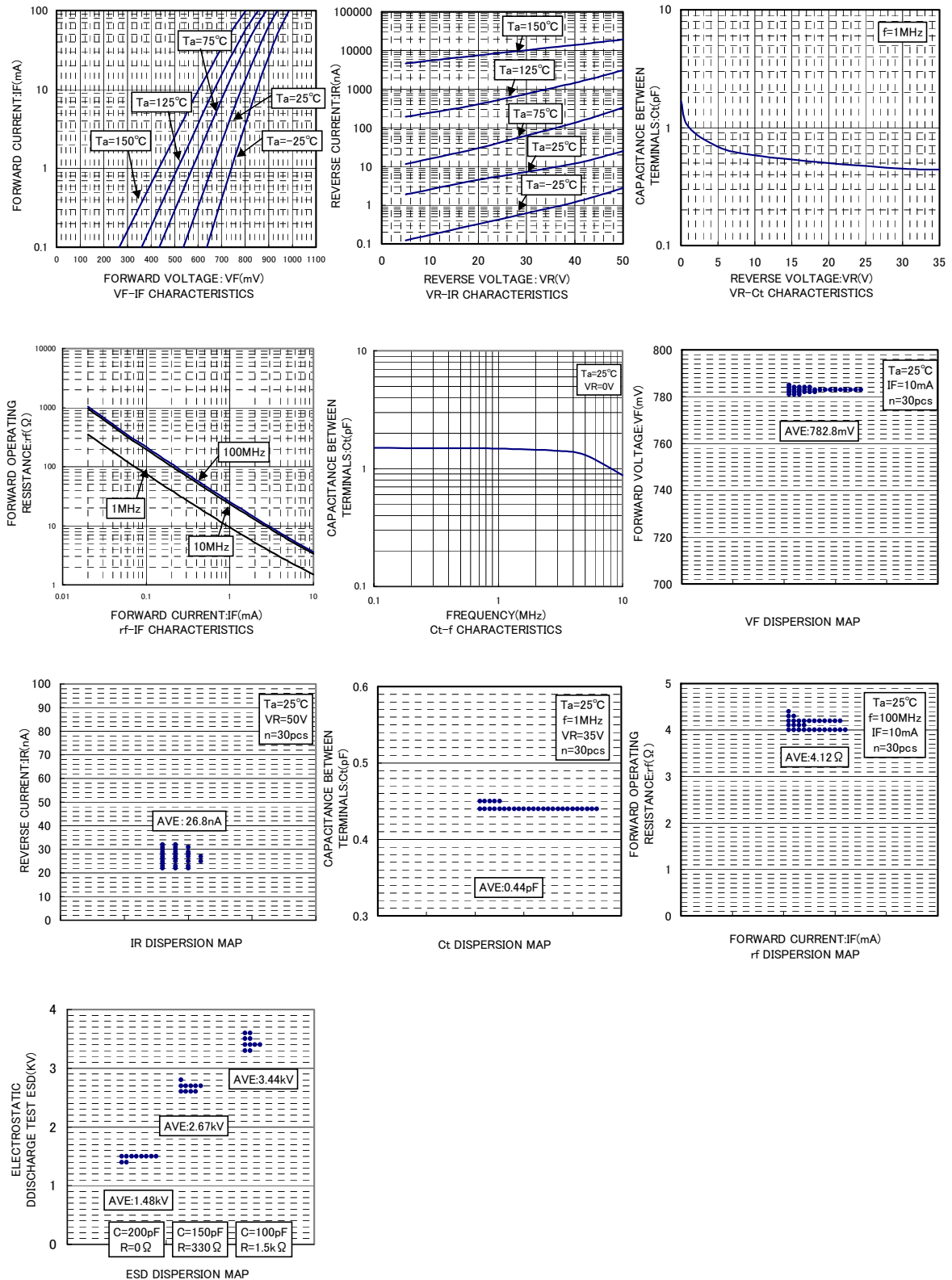
- Distance from bottom edge to hole center line: $\phi 0.5 \pm 0.05$

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	50	V
Forward current (DC)	I_F	50	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	0.1	μA	$V_R=50\text{V}$
Capacitance between terminals	C_t	-	-	0.9	pF	$V_R=35\text{V}$, $f=1\text{MHz}$
High frequency resistance	R_f	-	-	7	Ω	$I_F=10\text{mA}$, $f=100\text{MHz}$

Diodes

●Electrical characteristic curves (Ta=25°C)



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(Note1) Medical Equipment Classification of the Specific Applications

JAPAN	USA	EU	CHINA
CLASS III	CLASS III	CLASS II b	CLASS III
CLASS IV		CLASS III	

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Precaution for Mounting / Circuit board design

- When a highly active halogenous (chlorine, bromine, etc.) flux is used, the residue of flux may negatively affect product performance and reliability.
- In principle, the reflow soldering method must be used on a surface-mount products, the flow soldering method must be used on a through hole mount products. If the flow soldering method is preferred on a surface-mount products, please consult with the ROHM representative in advance.

For details, please refer to ROHM Mounting specification

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Precaution for Electrostatic

This Product is electrostatic sensitive product, which may be damaged due to electrostatic discharge. Please take proper caution in your manufacturing process and storage so that voltage exceeding the Products maximum rating will not be applied to Products. Please take special care under dry condition (e.g. Grounding of human body / equipment / solder iron, isolation from charged objects, setting of ionizer, friction prevention and temperature / humidity control).

Precaution for Storage / Transportation

1. Product performance and soldered connections may deteriorate if the Products are stored in the places where:
 - [a] the Products are exposed to sea winds or corrosive gases, including Cl₂, H₂S, NH₃, SO₂, and NO₂
 - [b] the temperature or humidity exceeds those recommended by ROHM
 - [c] the Products are exposed to direct sunshine or condensation
 - [d] the Products are exposed to high Electrostatic
2. Even under ROHM recommended storage condition, solderability of products out of recommended storage time period may be degraded. It is strongly recommended to confirm solderability before using Products of which storage time is exceeding the recommended storage time period.
3. Store / transport cartons in the correct direction, which is indicated on a carton with a symbol. Otherwise bent leads may occur due to excessive stress applied when dropping of a carton.
4. Use Products within the specified time after opening a humidity barrier bag. Baking is required before using Products of which storage time is exceeding the recommended storage time period.

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QR code printed on ROHM Products label is for ROHM's internal use only.

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