

- **Applications**
  - High frequency switching

- 1) Ultra small mold type. (VMD2)
- 2) High frequency resistance which is small and low capacity.

### ●Construction

Silicon epitaxial planar

Technical drawing of the ROHM VMD2 component showing top and side views with dimensions.

**Top View Dimensions:**

- Top width:  $0.6 \pm 0.05$
- Bottom width:  $0.27 \pm 0.03$
- Height:  $1.0 \pm 0.05$
- Total height (including top and bottom flanges):  $1.4 \pm 0.05$

**Side View Dimensions:**

- Top flange width:  $0.13 \pm 0.03$
- Bottom flange width:  $0.5 \pm 0.05$

**ROHM: VMD2**

**dot (year week factory)**

Technical drawing of a mechanical part, likely a shaft or tube, showing dimensions and tolerances. The drawing includes a side view and a cross-sectional view.

**Dimensions and Tolerances:**

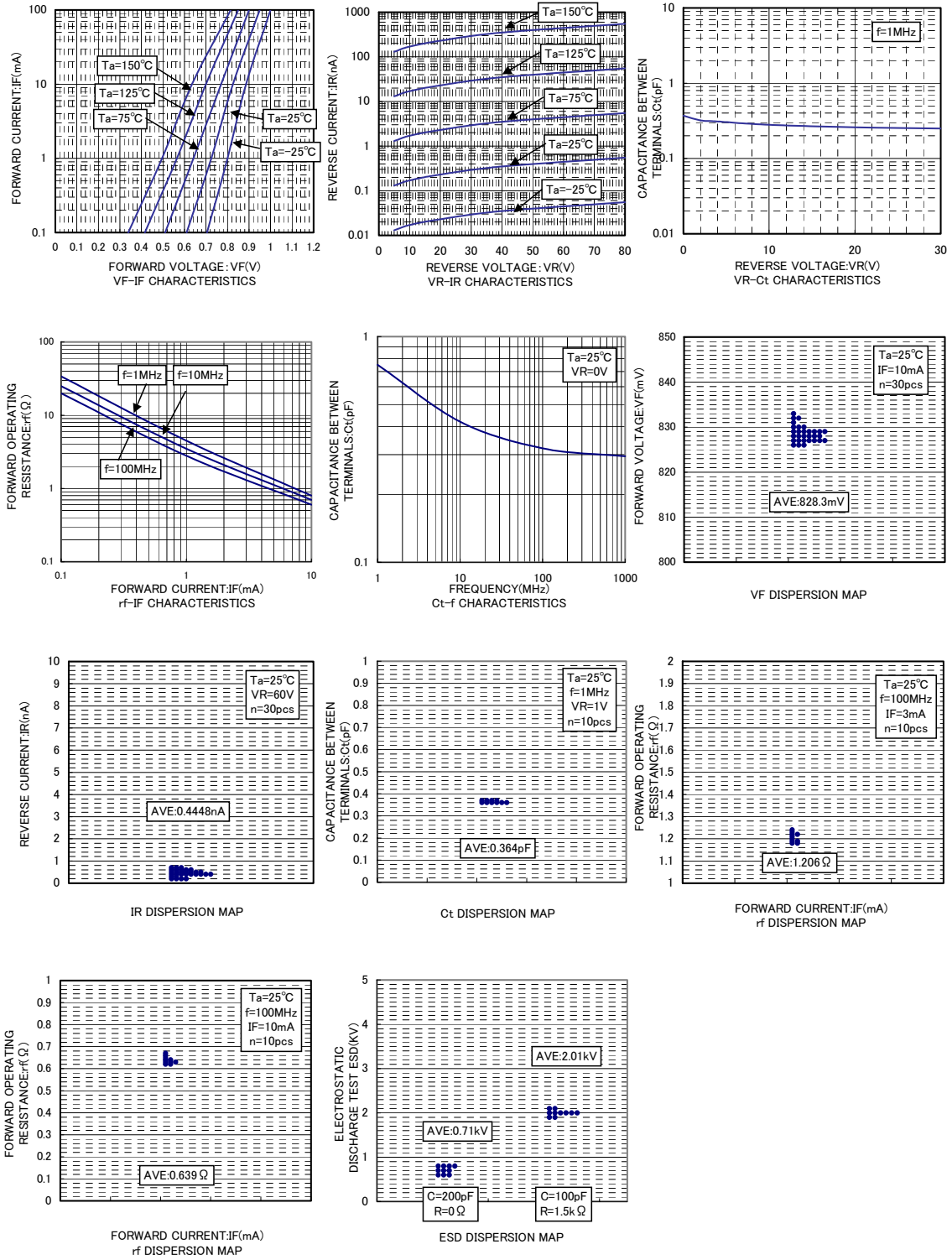
- Overall length:  $8.02 \pm 0.3$
- Overall diameter:  $\phi 1.5 \pm 0.1$
- Section 1 length:  $1.75 \pm 0.1$
- Section 2 length:  $3.5 \pm 0.05$
- Section 3 length:  $0.4$
- Section 4 length:  $0.18 \pm 0.05$
- Section 5 length:  $0.3$
- Section 6 length:  $0.65 \pm 0.05$
- Section 7 length:  $0.76 \pm 0.1$
- Section 8 length:  $2.1 \pm 0.1$
- Section 9 length:  $1.1 \pm 0.05$
- Section 10 length:  $4 \pm 0.1$
- Section 11 length:  $2 \pm 0.05$
- Section 12 length:  $4 \pm 0.1$
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Parameter	Symbol	Limits	Unit
Reverse voltage	$V_R$	60	V
Reverse current	$I_F$	100	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	$\mu\text{A}$	$V_R=60\text{V}$
Capacitance between terminals	$C_t$	-	-	0.45	pF	$V_R=1\text{V}$ , $f=1\text{MHz}$
High frequency resistance	$R_f$	-	-	3	$\Omega$	$I_F=3\text{mA}$ , $f=100\text{MHz}$
		-	-	2	$\Omega$	$I_F=10\text{mA}$ , $f=100\text{MHz}$

# Diodes

## ●Electrical characteristic curves (Ta=25°C)



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