Schottky barrier diode

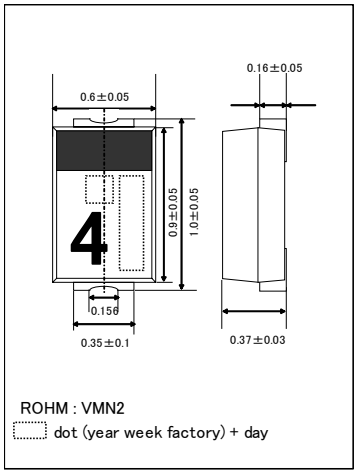
RB886CS

●**Applications**
High frequency detection

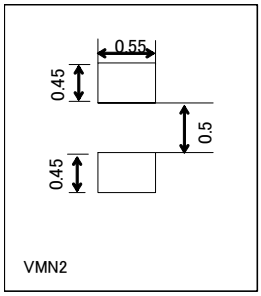
●**Features**
1) Ultra small mold type. (VMN2)
2) Low Ct and high detection efficiency.

●**Construction**
Silicon epitaxial planar

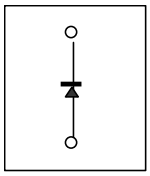
●**External dimensions** (Unit : mm)



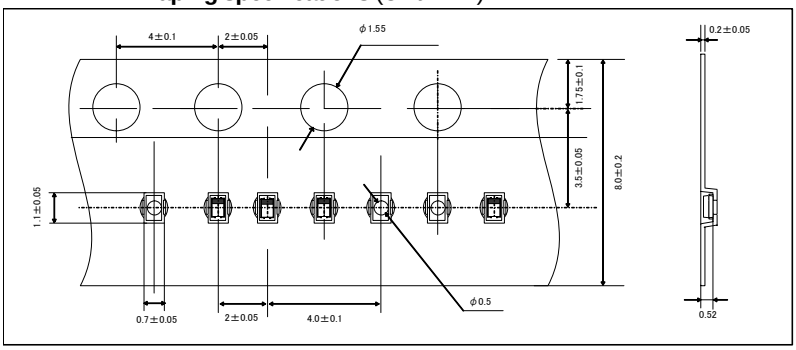
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping specifications** (Unit : mm)



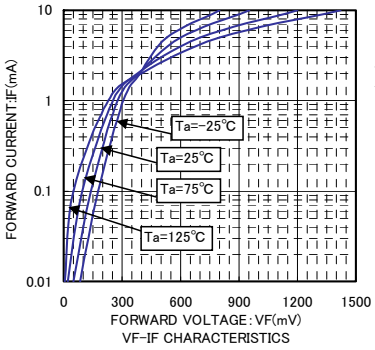
●**Absolute maximum ratings** (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	5.0	V
Average rectified forward current	I_F	10	mA
Junction temperature	Tj	125	℃
Storage temperature	Tstg	-40 to +125	℃

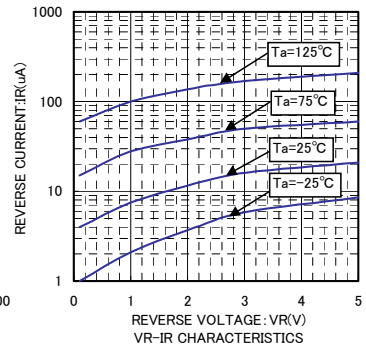
●**Electrical characteristics** (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.35	V	I_F=1.0mA
Reverse current	I_R	-	-	120	μA	V_R=5.0V
Capacitance between terminals	Ct	-	0.53	0.80	pF	V_R=1.0V , f=1MHz

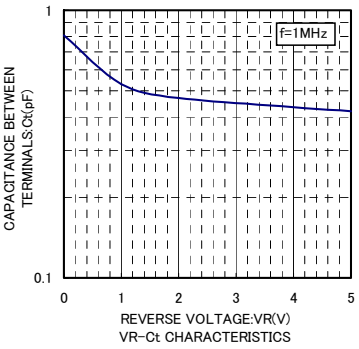
●Electrical characteristic curves (Ta=25°C)



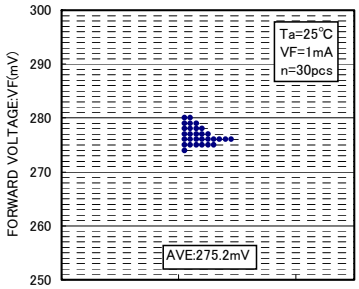
VF-IF CHARACTERISTICS



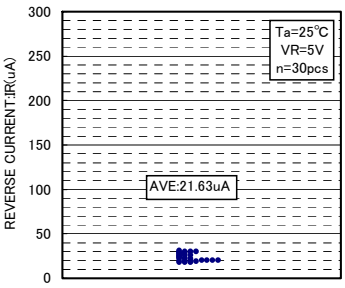
VR-IR CHARACTERISTICS



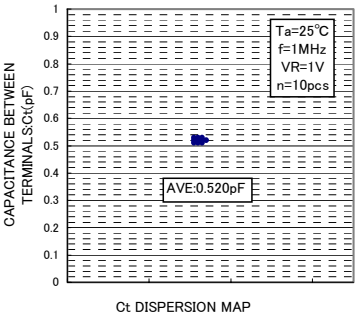
VR-Ct CHARACTERISTICS



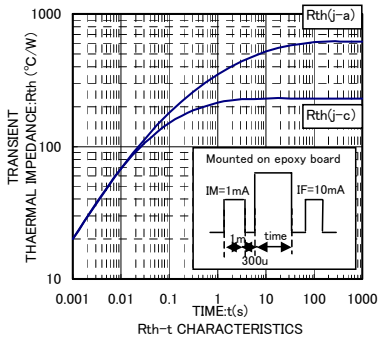
VF DISPERSION MAP



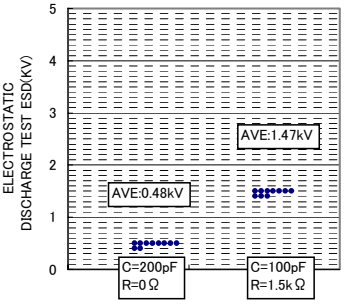
IR DISPERSION MAP



Ct DISPERSION MAP



Rth-t CHARACTERISTICS



ESD DISPERSION MAP

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