Ultra Low Capacitance ESD Protection Diode ROHM RSAC16CS

Data Sheet

Application

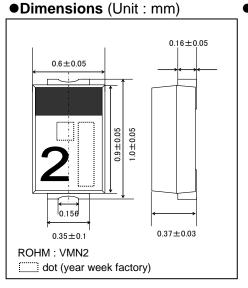
ESD Protection

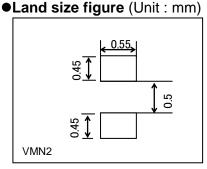
Features

- 1) Ultra small mold type (VMN2)
- 2) Ultra low Capacitance
- 3) High reliability
- 4) By chip-mounter, automatic mounting is possible.

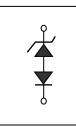
Construction

Silicon epitaxial planar

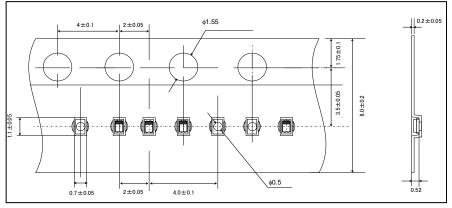








Taping specifications (Unit : mm)



●Absolute maximum ratings (T_a= 25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	Р	100	mW
Junction temperature	Τ _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

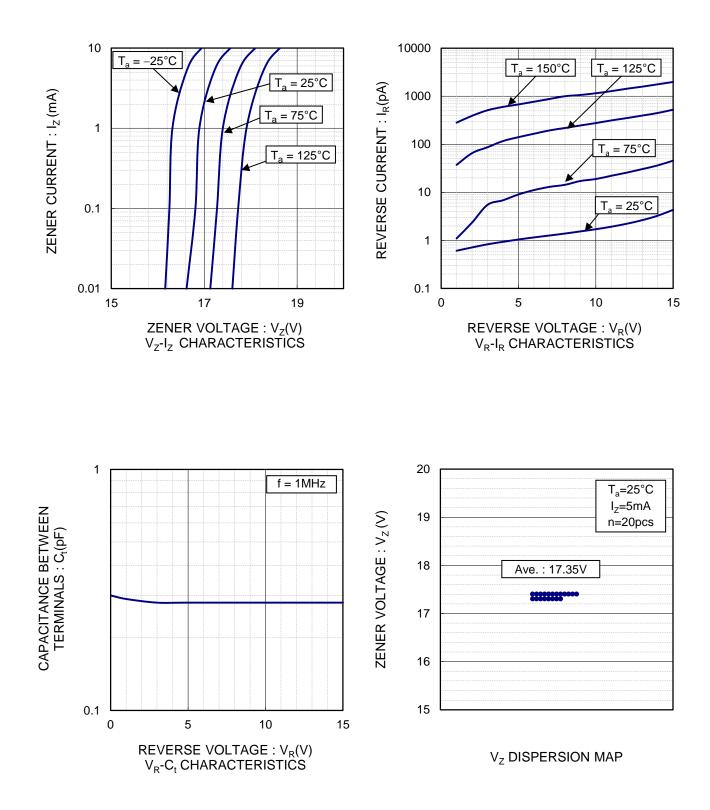
•Electrical characteristics (T_a = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	Vz	16.49	-	17.51	V	I _z =5mA
Reverse current	I _R	-	-	0.1	μA	V _R =12V
Capacitance between terminals	Ct	-	0.3	-	pF	V _R =0V, f=1MHz

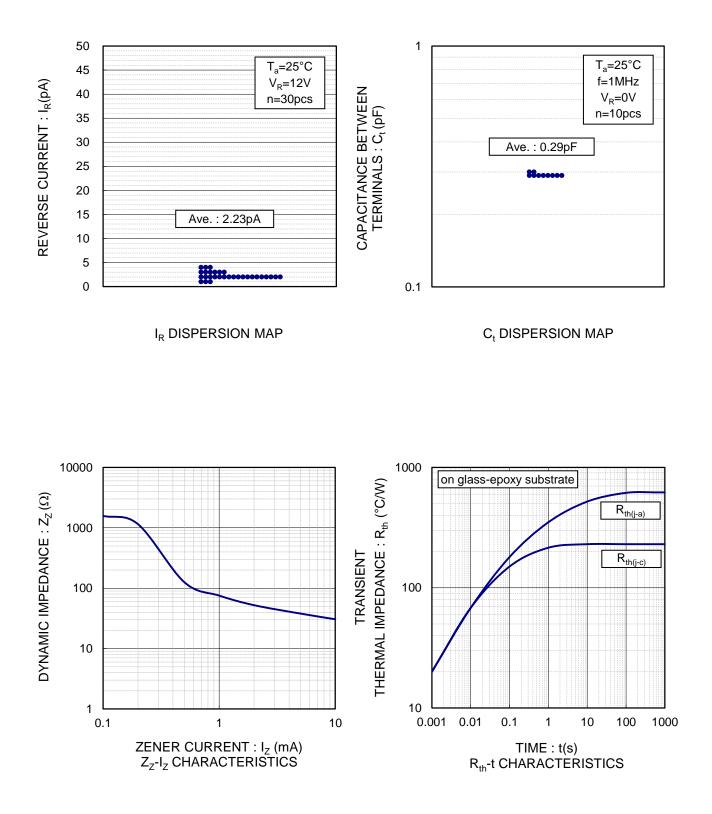
* Zener voltage (V_7) shall be measured at 40ms after loading current.

* Electrical characteristic assurance is just only zener direction.

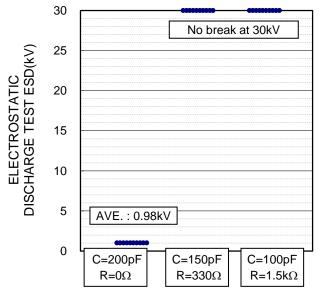
•Electrical characteristic curves



•Electrical characteristic curves



•Electrical characteristic curves



ESD DISPERSION MAP

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