PIN diode

RN739F

Applications

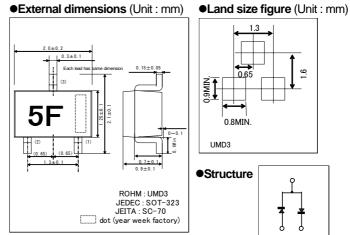
VHF / UHF band variable attenuators and AGC

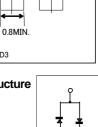
Features

- 1) Small mold type. (UMD3)
- 2) Low high-frequency forward resistance (rF) / low capacitance (CT).

Construction

Silicon diffusion junction

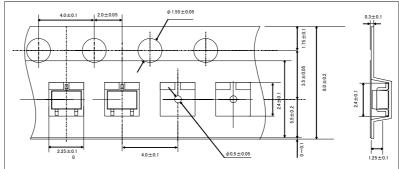




1.6

1.3

•Taping specification (Unit : mm)



•Absolute maximum ratings (Ta=25°C)

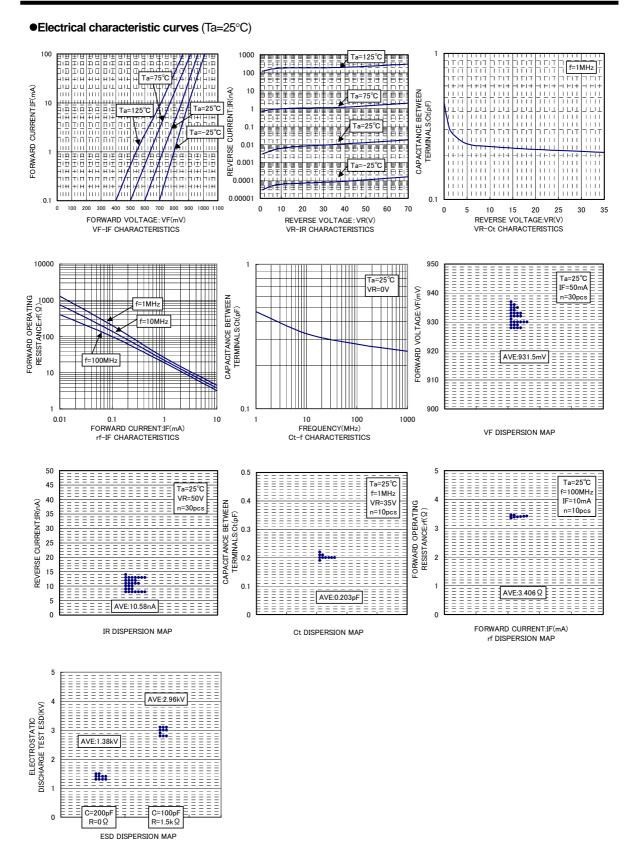
Parameter	Symbol	Limits	Unit				
Reverse voltage (DC)	V _R	50	V				
Forward current (DC)	I _F	50	mA				
Power dissipation	Pd	100	mW				
Junction temperature	Tj	125	°C				
Storage temperature	Tstg	-55 to +125	S				

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1	V	I _F =50mA
Reverse current	I _R	-	-	0.1	μA	V _R =50V
Capacitance between terminals	Ct	-	-	0.4	pF	V _R =35V , f=1MHz
Forward operating resistance	Rf	-	-	7.0	Ω	IF=10mA,f=100MHz



Diodes



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