MA2Z367 (MA367)

Silicon epitaxial planar type

For AFC of UHF and VHF electronic tuner

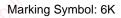
Features

- Large capacitance ratio
- Small series resistance r_D
- S-mini type package, allowing downsizing of equipment and automatic insertion through the taping package

	Unit : mm			
1.7±0.10 2.5±0.2	(4)			
1 1.25±0.10 7°	0.16 ^{+0.10}			
	S. C.			
0:90 ⁴⁰ 15	2			
0.00±0.05	1 : Anode			
	2 : Cathode			
SMini2-G1 Package				

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Reverse voltage (DC)	V _R	30	v	
Peak reverse voltage	V _{RM}	34	V	
Junction temperature	Tj	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	



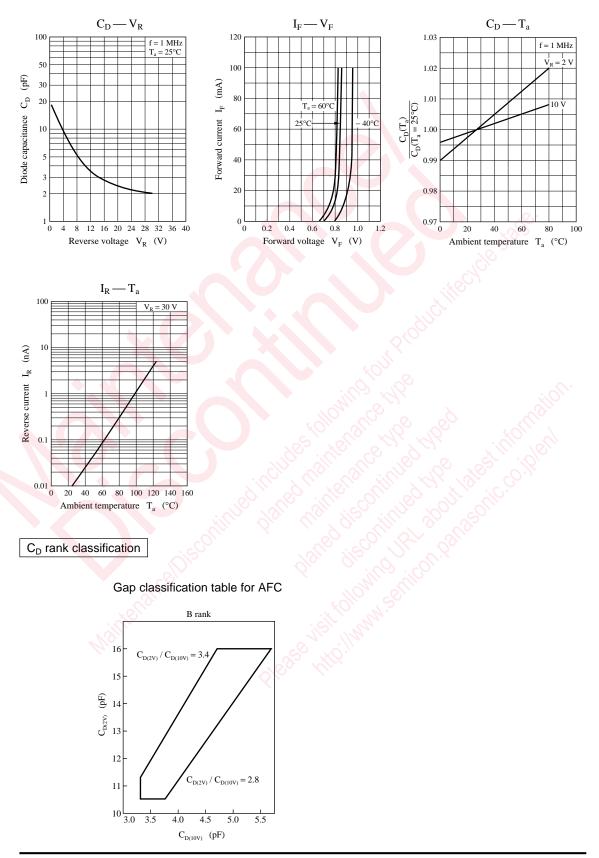
Electrical Characteristics $T_a = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	IR IR	V _R = 30 V	<u>,</u> ?~		10	nA
Diode capacitance	C _{D(2V)}	$V_R = 2 V, f = 1 MHz$	10.5		16.0	pF
	C _{D(10V)}	$V_{R} = 10 V, f = 1 MHz$	3.3		5.7	pF
Capacitance ratio	C _{D(2V)} /C _{D(10V)}		2.8		3.4	_
Series resistance*	r _D	$V_{R} = 9 \text{ pF}, f = 470 \text{ MHz}$			1.6	Ω

Note) 1. Rated input/output frequency: 470 MHz

2. *: rf measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER

Note) The part number in the parenthesis shows conventional part number.



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