MA2Z374 (MA374)

Silicon epitaxial planar type

For CATV tuner

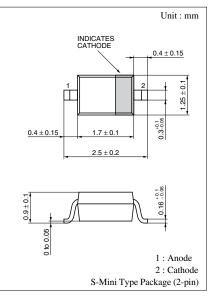
Features

• S-mini type package, allowing downsizing of equipment and automatic insertion through the taping package

Absolute Maximum Ratings $T_a = 25^{\circ}$	e Maximum Ratings $T_a = 25$	°C
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Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	34	V
Peak reverse voltage*	V _{RM}	35	V
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) * : $R_L = 10 k\Omega$



Marking Symbol: 7A

	Parameter	Symbol	C
ľ		-	

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

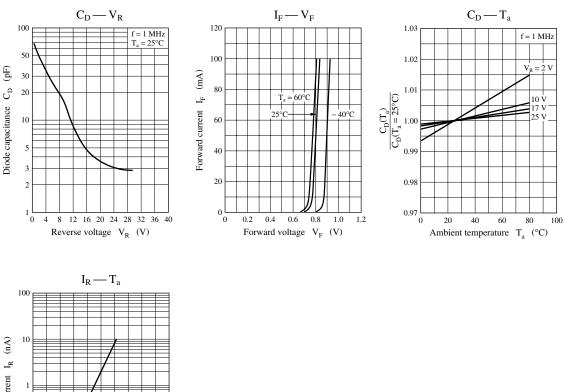
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			10	nA
Diode capacitance	C _{D(0V)} *1	$V_R = 0 V, f = 1 MHz$	87			pF
	C _{D(2V)}	$V_R = 2 V, f = 1 MHz$	44.00		50.79	pF
	C _{D(25V)}	$V_{R} = 25 V, f = 1 MHz$	2.60		3.03	pF
	C _{D(10V)}	$V_{R} = 10 V, f = 1 MHz$	8.80		13.08	pF
	C _{D(17V)}	$V_{R} = 17 V, f = 1 MHz$	3.70		5.04	pF
Capacitance ratio	C _{D(2V)} /C _{D(25V)}		15.0			_
Diode capacitance deviation	ΔC	C _{D(2V)(10V)(17V)(25V)}			2.0	%
Series resistance ^{*2}	r _D	$C_{\rm D} = 9 \text{ pF}, \text{ f} = 470 \text{ MHz}$			0.9	Ω

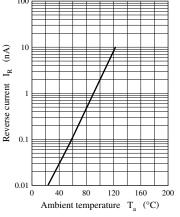
Note) 1. Rated input/output frequency: 470 MHz

2. *1 : Measurement at Low Signal Level

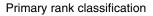
*2: r_f measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER

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

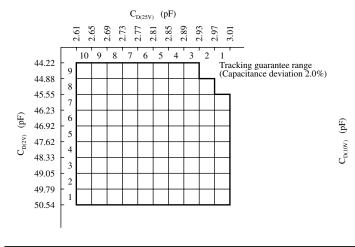




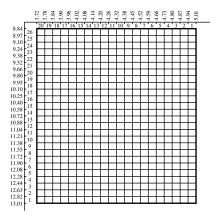
C_D rank classification











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