

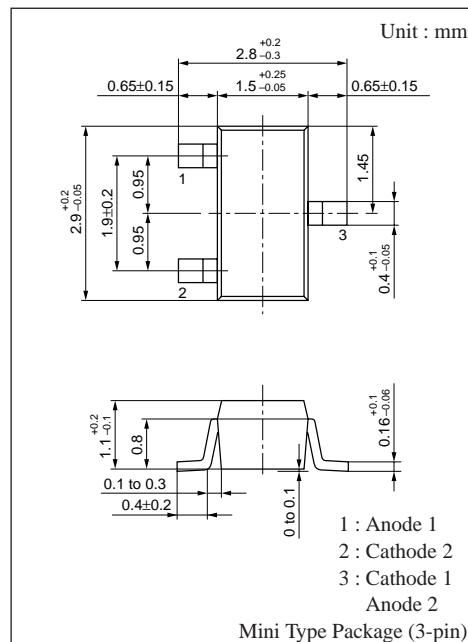
MA557

Silicon epitaxial planer type

For UHF and SHF bands AGC

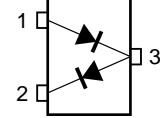
■ Features

- Small diode capacity C_D
- Large variable range of forward dynamic resistance r_f
- Mini package, enabling down-sizing of the equipment and automatic insertion through taping and magazine package



Marking Symbol : M30

■ Internal Connection



■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 40V$			100	nA
Forward voltage (DC)	V_F	$I_F = 100mA$		1.05	1.2	V
Diode capacitance	C_D	$V_R = 15V, f = 1MHz$		0.3	0.5	pF
Forward dynamic resistance	r_{f1}^*	$I_F = 10\mu A, f = 100MHz$	1	2		kΩ
	r_{f2}^*	$I_F = 10mA, f = 100MHz$		6	10	Ω

Note 1. Each characteristic is a standard for each diode

2. Rated input/output frequency : 100MHz

3. * r_f measurement device : YHP MODEL 4191A RF IMPEDANCE ANALYZER

■ Marking



