

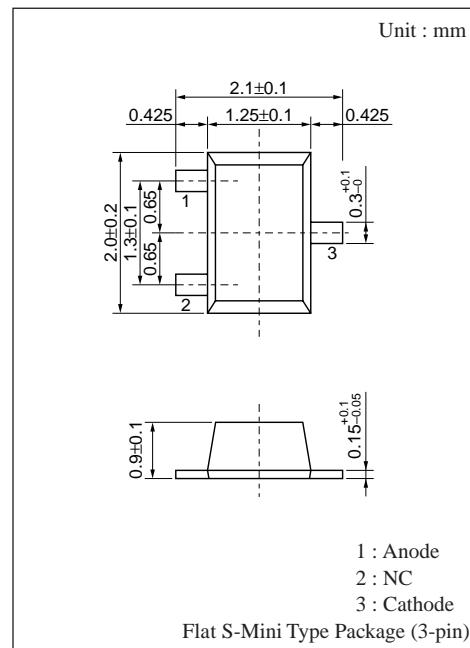
MA10700

Silicon epitaxial planer type

For high-frequency rectification

■ Features

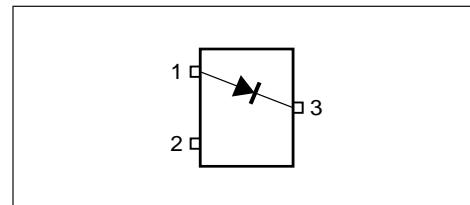
- S-Mini type package (3-pin)
- $I_{F(AV)} = 500\text{mA}$ rectification possible
- Fast t_{rr} (reverse recovery time), optimum for high-frequency rectification



1 : Anode
2 : NC
3 : Cathode
Flat S-Mini Type Package (3-pin)

Marking Symbol : M2W

■ Internal Connection



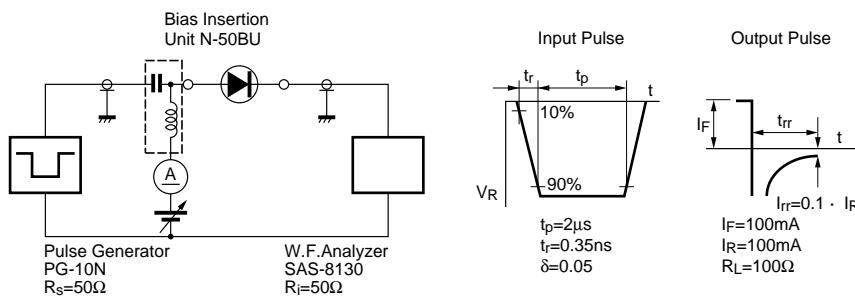
■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 35\text{V}$			100	μA
Forward voltage (DC)	V_F	$I_F = 500\text{mA}$			0.55	V
Terminal capacitance	C_t	$V_R = 0\text{V}, f = 1\text{MHz}$		60		pF
Reverse recovery time	t_{rr}^*	$I_F = I_R = 100\text{mA}$ $I_R = 0.1 \cdot I_R, R_L = 100\Omega$		5		ns

Note 1. Schottky barrier diode is sensitive to electric shock (static electricity, etc.). Due attention must be paid on charge of a human body and leakage from the equipment used.

2. Rated input/output frequency : 400MHz

3. * t_{rr} measuring circuit



■ Marking



