

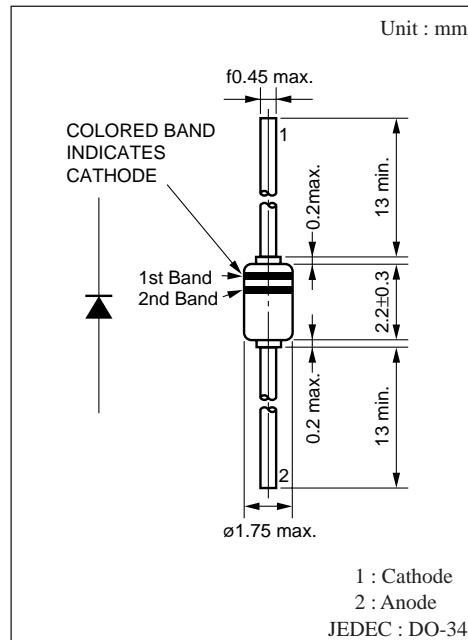
MA180

Silicon epitaxial planer type

For general purpose

■ Features

- Small glass type (DO-34), enabling 5mm pitch insertion
- Soft recovery characteristic (t_{rr} : 200ns)



■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	40	V
Repetitive peak reverse voltage	V _{RRM}	40	V
Average forward current	I _{F(AV)}	200	mA
Repetitive peak forward current	I _{FRM}	600	mA
Non-repetitive peak forward surge current	I _{FSM} *	1	A
Junction temperature	T _j	200	°C
Storage temperature	T _{stg}	-55 to + 200	°C

* t=1s

■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I _{R1}	V _R =15V			5	nA
	I _{R2}	V _R = 35V			10	nA
	I _{R3}	V _R = 35V, Ta=150°C			100	µA
Forward voltage (DC)	V _F	I _F = 200mA			1.1	V
Terminal capacitance	C _t	V _R = 0V, f=1MHz			7	pF
Reverse recovery time	t _{rr} *	I _F =10mA, V _R =1V I _{rr} = 0.1 · I _R , R _L =100Ω		200		ns

Note 1 : Rated input/output frequency : 5MHz

2 : * t_{rr} measuring circuit

