

High Voltage Rectifying Diode

MD4CN6

● **Features**

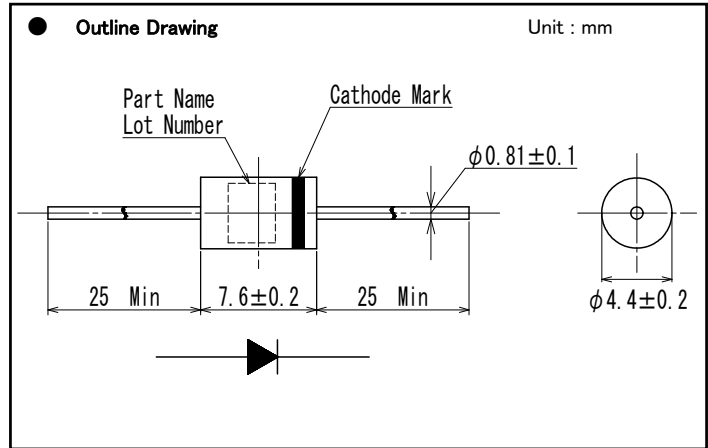
- VRM=4kV to 150kV
- Avalanche characteristics

● **Applications**

- Rectifier for High Frequency

● **Structures**

- Resin molded, and diffused junction silicon diode.
- Part Name : [4N6]
- Weight : 0.55g
- Terminal plating : Sn
- Conforms to RoHS regulations



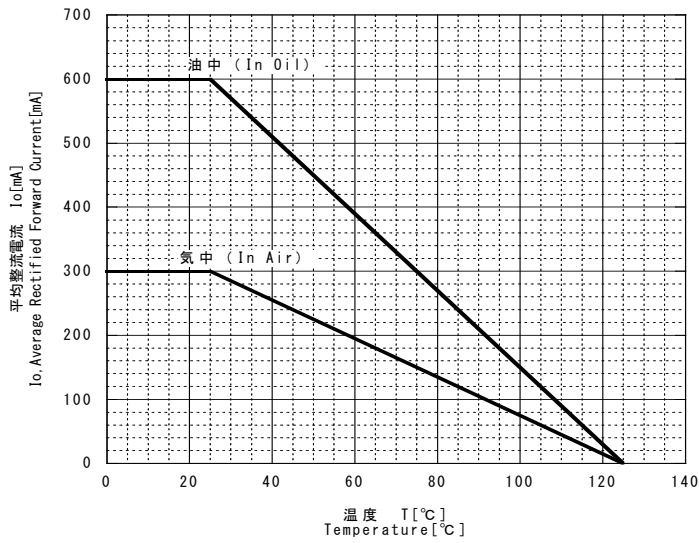
● **Absolute Maximum Ratings**

Items	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	V _{RM}	In Oil	4	kV
		In Air	4	
Average Rectified Forward Current	I _O	In Oil To=25°C, 50Hz,Single-phase,Half sin Wave	600	mA
		In Air Ta=25°C, 50Hz,Single-phase,Half sin Wave	300	
Peak Forward Surge Current	I _{SM}	Ta=25°C, 50Hz,Half sin wave, Peak, Non-Repeative	40	A
Operating Junction Temperature	T _J	—	-30~+125	°C
Storage Temperature	T _{stg}	—	-30~+125	°C

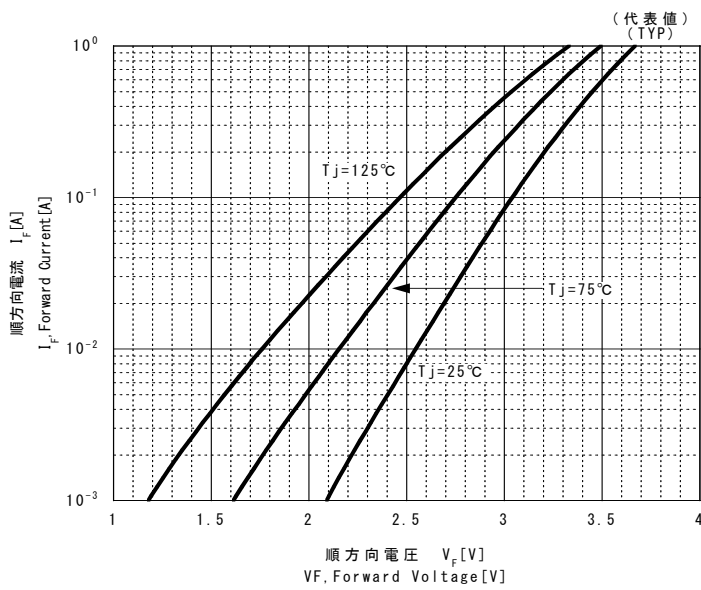
● **Electrical Characteristics (Ta=25°C)**

Items	Symbol	Conditions	MAX.	Unit
Forward Voltage Drop	V _F	I _F =600mA	5	V
Reverse Leakage Current	I _R	V _R =3.2kV	10	μA

● Characteristics Diagrams



AVERAGE RECTIFIED FORWARD CURRENT



FORWARD CHARACTERISTICS