

通用整流管

General Purpose Rectifiers

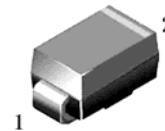
General Purpose Rectifiers 通用整流管

FH1N4001~4007

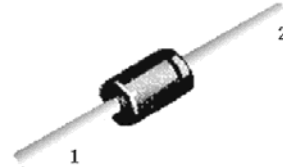
DESCRIPTION & FEATURES 概述及特點

Low forward voltage drop. 低正向壓降

High surge current capability. 高浪湧電流



DO-214AC(SMA)



DO-41

PIN ASSIGNMENT 引腳說明

PIN NAME 管腳符號	PIN NUMBER 引腳序號	FUNCTION 功能
	DO-214AC(SMA)/DO41	
A	1	Anode
C	2	Cathode

Maximum Ratings & Thermal Characteristics * ($T_a=25^\circ\text{C}$)

最大額定值及熱特性

CHARACTERISTIC 特性參數	Symbol 符號	Value 數值							Unit 單位
		4001	4002	4003	4004	4005	4006	4007	
Peak Repetitive Reverse Voltage 反向峰值電壓	V_{RRM}	50	100	200	400	600	800	1000	V
Average Forward Rectified Current 正向電流	$I_{F(AV)}$	1.0							A
Peak Forward Surge Current (8.3 ms single half-sine-wave) 正向浪湧電流	$I_{FM(surge)}$	30							A
Typical Thermal resistance 熱阻	$R_{\theta JA}$	50							$^\circ\text{C}/\text{W}$
Junction and Storage Temperature 結溫和儲存溫度	T_J, T_{STG}	-65~150							$^\circ\text{C}$

*Thermal resistance from junction to ambient, P.C.B. mounted

ELECTRICAL CHARACTERISTICS 電特性

($T_a=25^\circ\text{C}$ unless otherwise noted 如無特殊說明, 溫度為 25°C)

Characteristic 特性參數	Symbol 符號	Test Condition 測試條件	Value 數值	Unit 單位
Maximum Instantaneous Forward Voltage 最大正向瞬間電壓	V_F	$I_F=1.0\text{A}$	1.1	V
Maximum DC Reverse Current 最大反向電流	I_R	$V_{DC}=50\text{V}$	$T_A=25^\circ\text{C}$	5.0
			$T_A=100^\circ\text{C}$	50
Typical Junction capacitance 電容	C_J	$V_R=4.0, f=1.0\text{MHz}$	15	pF