

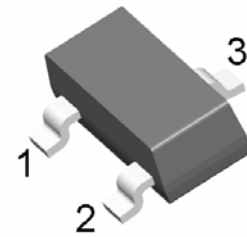
General Purpose Transistors 通用三极管

FHT817-16/25/40

DESCRIPTION & FEATURES 概述及特点

Excellent h_{FE} Linearity h_{FE} 线性特性极好

SOT-23



PIN ASSIGNMENT 引脚说明

PIN NAME 管脚符号	PIN NUMBER 引脚序号	FUNCTION 功能
	SOT-23	
B	1	BASE
E	2	EMITTER
C	3	COLLECTOR

MAXIMUM RATINGS($T_a=25^\circ\text{C}$) 最大额定值

CHARACTERISTIC 特性参数	Symbol 符号	Rating 额定值	Unit 单位
Collector-Emitter Voltage 集电极-发射极电压	V_{CEO}	45	Vdc
Collector-Base Voltage 集电极-基极电压	V_{CBO}	50	Vdc
Emitter-Base Voltage 发射极-基极电压			

General Purpose Transistors 通用三极管

FHT817-16/25/40

Base-Emitter On Voltage 基極-發射極導通電壓	$V_{BE(on)}$	$I_c=500mA_{dc}$, $V_{CE}=1.0V_{dc}$	—	—	1.2	Vdc
Current-Gain-Bandwidth Product 電流增益-帶寬乘積	f_T	$I_c=10mA_{dc}$, $V_{CE}=5.0V_{dc}$, $f=100MHz$	100	—	—	MHz
Output Capacitance 輸出電容	C_{obo}	$V_{CB}=10V_{dc}$, $I_E=0$, $f=1.0MHz$	—	—	10	pF

1. FR-5=1.0×0.75×0.062in.
2. Alumina=0.4×0.3×0.024in, 99.5%alumina.
3. Pulse Width 300μS;Duty Cycle 2.0%.