

GM1426

PNP EPITAXIAL PLANAR TRANSISTOR

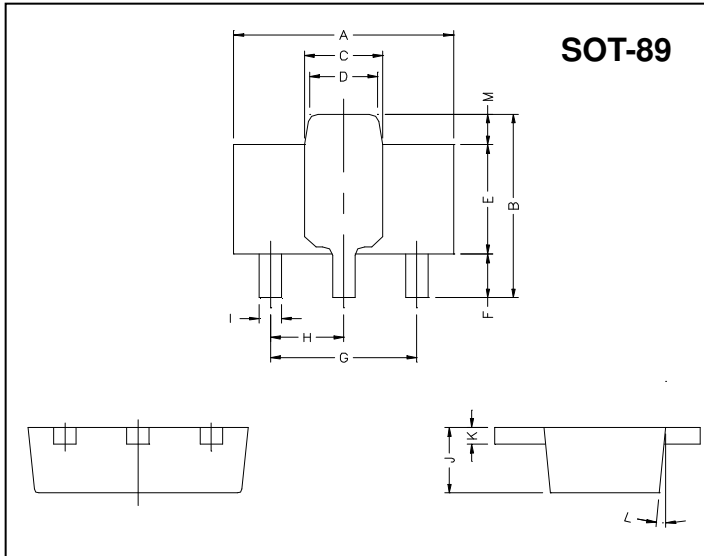
Description

The GM1426 is designed for DC-DC converter.

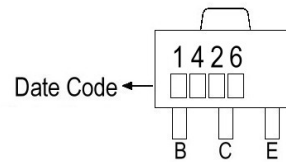
Features

- $h_{FE}=160\sim390$ (@ $V_{CE}=-2V$, $I_C=-100mA$)
- Low Saturation Voltage $V_{CE(sat)}=-0.5$ (Max.) (@ $I_C=-2A$, $I_B=-100mA$)

Package Dimensions



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.4	4.6	G	3.00	REF.
B	4.05	4.25	H	1.50	REF.
C	1.50	1.70	I	0.40	0.52
D	1.30	1.50	J	1.40	1.60
E	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5° TYP.	
			M	0.70 REF.	

Absolute Maximum Ratings at $T_a = 25^\circ C$

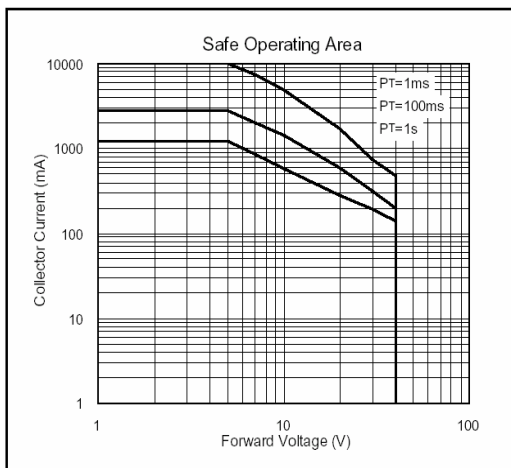
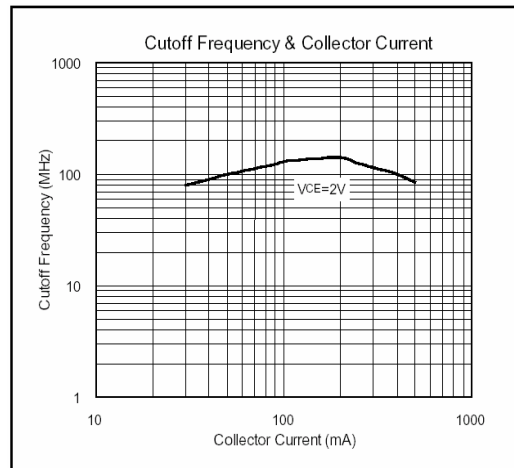
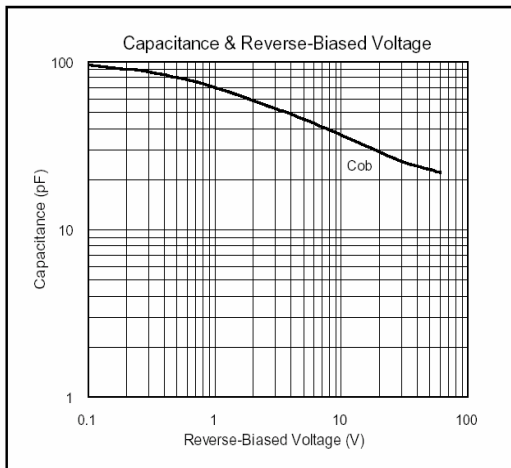
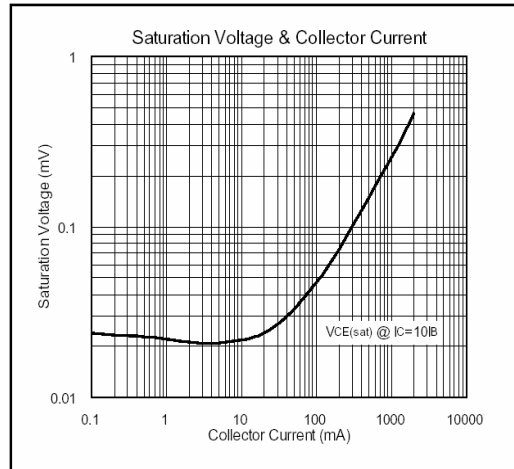
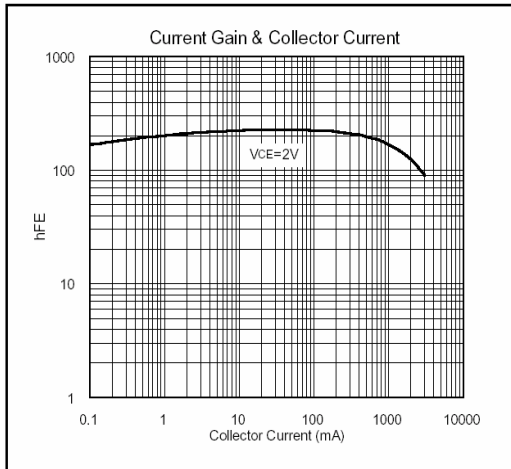
Parameter	Symbol	Ratings	Unit
Junction Temperature	T_j	+150	$^\circ C$
Storage Temperature	T_{stg}	-55~+150	$^\circ C$
Collector to Base Voltage	V_{CB0}	-20	V
Collector to Emitter Voltage	V_{CE0}	-20	V
Emitter to Base Voltage	V_{EB0}	-6	V
Collector Current (DC)	I_C	-3	A
Total Power Dissipation	P_D	1.2	W

Electrical Characteristics ($T_a = 25^\circ C$, unless otherwise stated)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V_{CB0}	-20	-	-	V	$I_C=-50\mu A$, $I_E=0$
V_{CE0}	-20	-	-	V	$I_C=-1mA$, $I_B=0$
V_{EB0}	-6	-	-	V	$I_E=-10\mu A$, $I_C=0$
I_{CB0}	-	-	-100	nA	$V_{CB}=-20V$, $I_E=0$
I_{CES}	-	-	-100	nA	$V_{CE}=-20V$
I_{EB0}	-	-	-100	nA	$V_{EB}=-5V$, $I_C=0$
* $V_{CE(sat)}$	-	-0.3	-0.5	V	$I_C=-2A$, $I_B=-100mA$
* h_{FE}	160	260	390		$V_{CE}=-2V$, $I_C=-100mA$
f_T	-	240	-	MHz	$V_{CE}=-2V$, $I_C=0.5A$, $f=100MHz$
C_{ob}	-	35	-	pF	$V_{CB}=-10V$, $I_E=0$, $f=1MHz$

* Pulse Test: Pulse Width $\leq 380\mu s$, Duty Cycle $\leq 2\%$

Characteristics Curve



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Head Office And Factory:

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
- TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
- TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165