

## GM1426

### PNP EPITAXIAL PLANAR TRANSISTOR

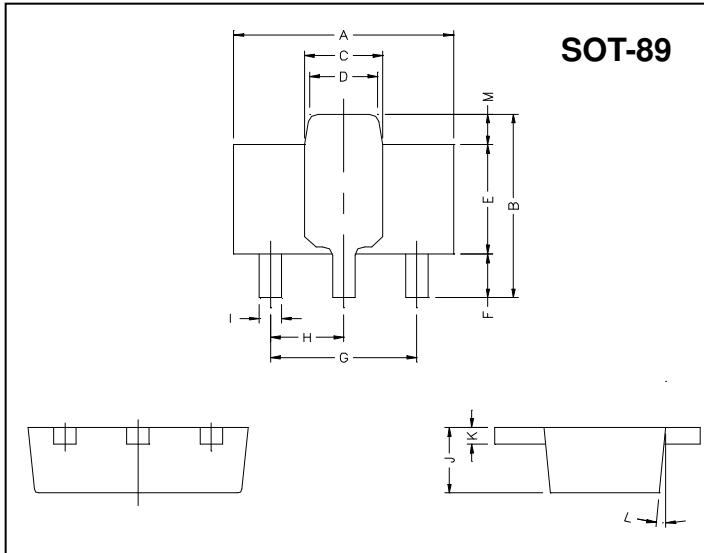
#### Description

The GM1426 is designed for DC-DC converter.

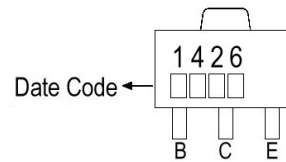
#### Features

- $h_{FE}=160\sim390$  (@ $V_{CE}=-2V$ ,  $I_C=-100mA$ )
- 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 $T_a = 25^\circ C$

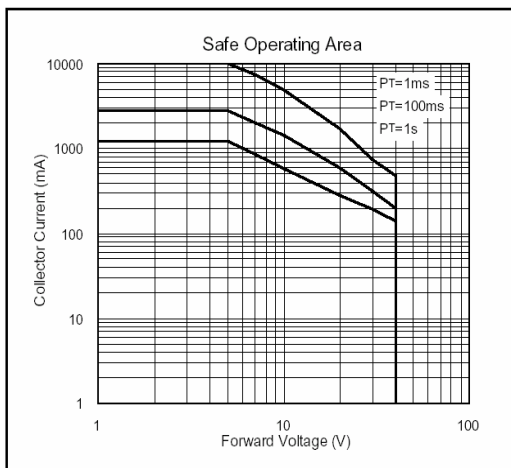
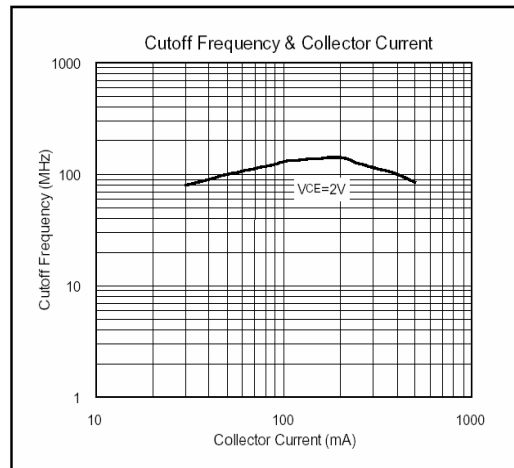
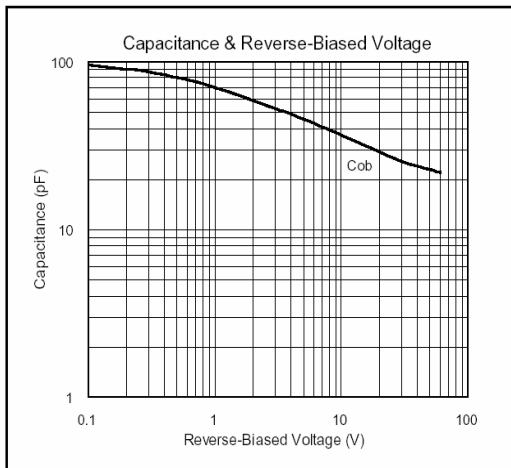
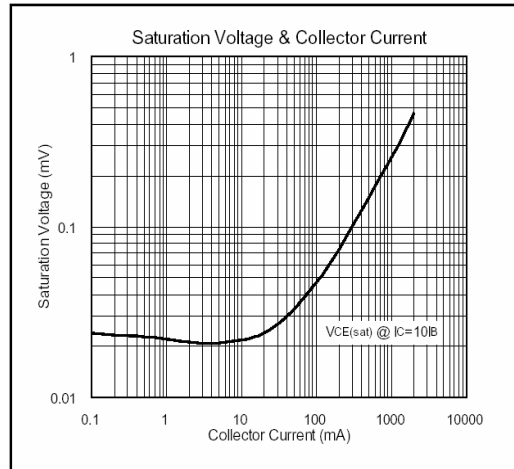
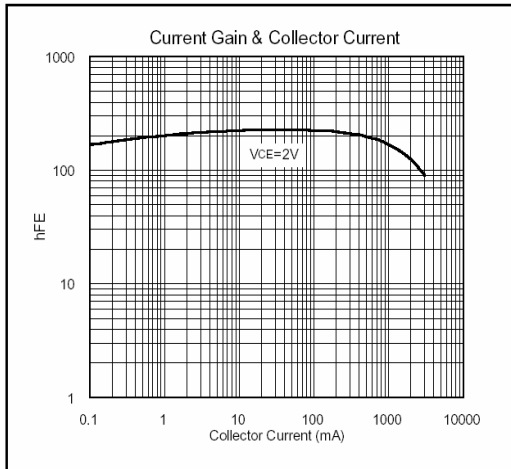
Parameter	Symbol	Ratings	Unit
Junction Temperature	$T_j$	+150	$^\circ C$
Storage Temperature	$T_{stg}$	-55~+150	$^\circ C$
Collector to Base Voltage	$V_{CB0}$	-20	V
Collector to Emitter Voltage	$V_{CE0}$	-20	V
Emitter to Base Voltage	$V_{EB0}$	-6	V
Collector Current (DC)	$I_C$	-3	A
Total Power Dissipation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