

# GSA1576A

## PNP EPITAXIAL PLANAR TRANSISTOR

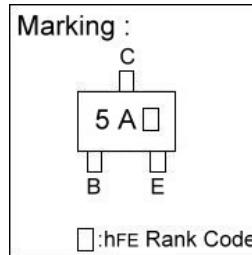
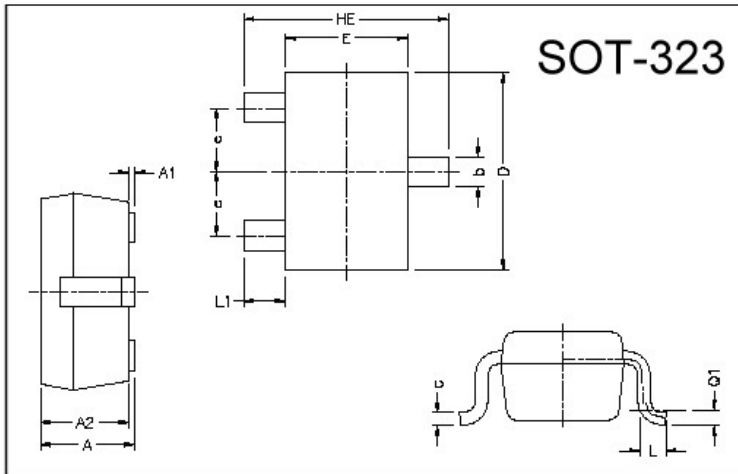
### Description

The GSA1576A is designed for use in driver stage of AF amplifier and general purpose amplification.

### Features

- Complements the GSC4081

### Package Dimensions



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42 REF.	
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65 REF.	
HE	1.80	2.40	Q1	0.15 BSC.	

### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	-60	V
Collector to Emitter Voltage	VCEO	-50	V
Emitter to Base Voltage	VEBO	-6	V
Collector Current	IC	-150	mA
Total Power Dissipation	PD	225	mW

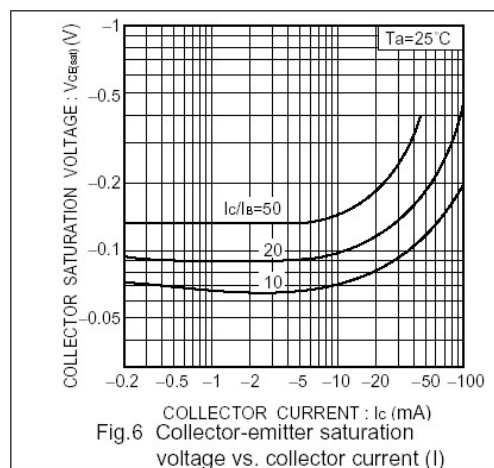
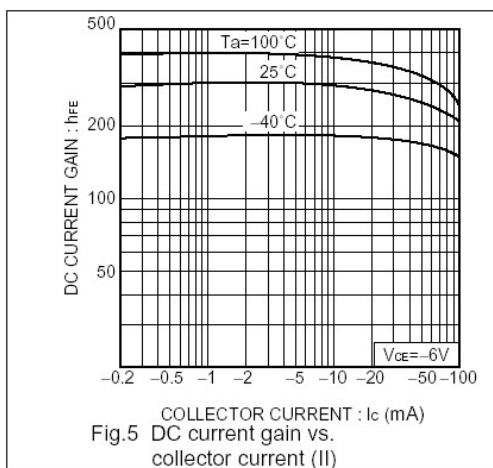
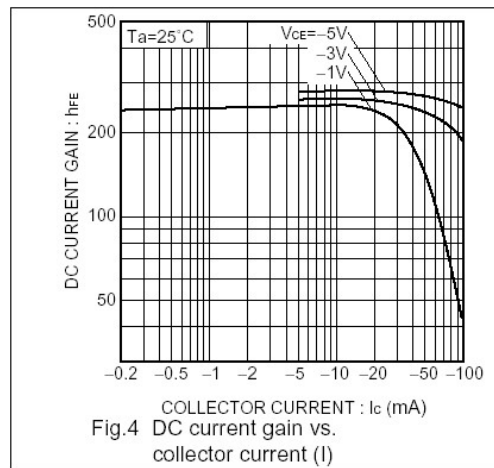
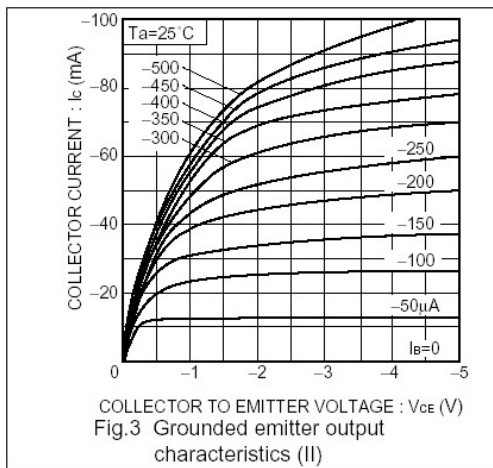
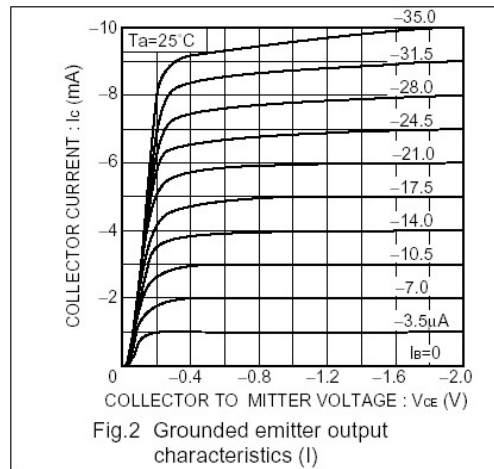
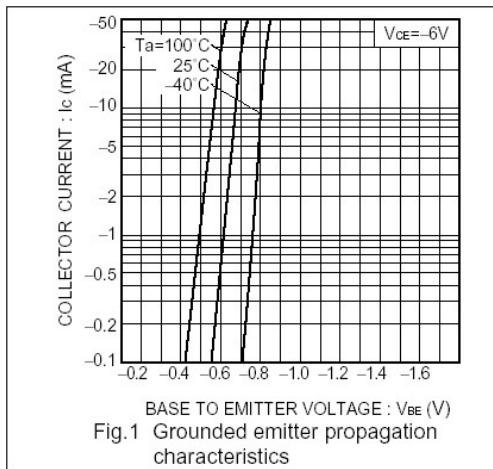
### Characteristics at Ta = 25°C

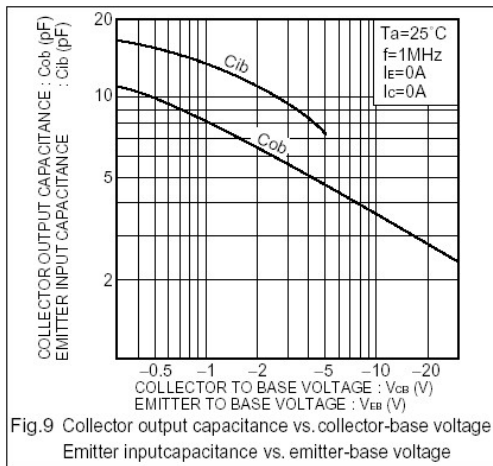
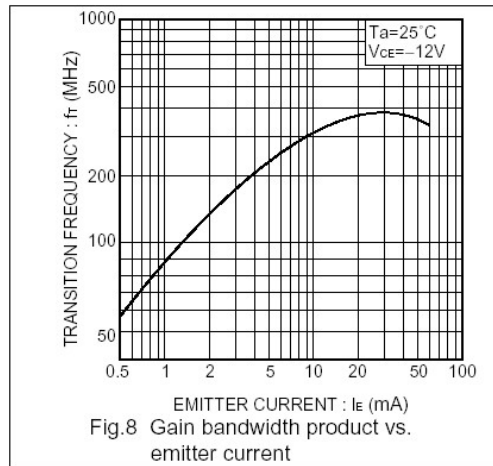
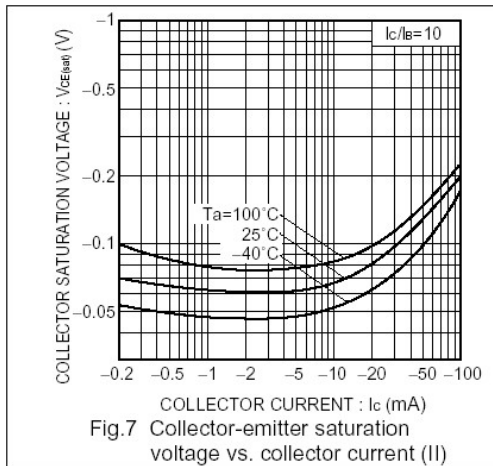
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-60	-	-	V	IC=-50uA
BVCEO	-50	-	-	V	IC=-1mA
BVEBO	-6	-	-	V	IE=-50uA
ICBO	-	-	-100	nA	VCB=-60V
IEBO	-	-	-100	nA	VEB=-6V
VCE(sat)	-	-	-500	mV	IC=-50mA, IB=-5mA
hFE	120	-	560		VCE=-6V, IC=-1mA
fT	-	140	-	MHz	VCE=-12V, IE=-2mA, f=100MHz
Cob	-	4.0	5.0	pF	VCB=-12V, f=1MHz,IE=0

### Classification Of hFE

Rank	5AQ	5AR	5AS
Range	120 - 270	180 - 390	270 - 560

**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