



Micro Commercial Components

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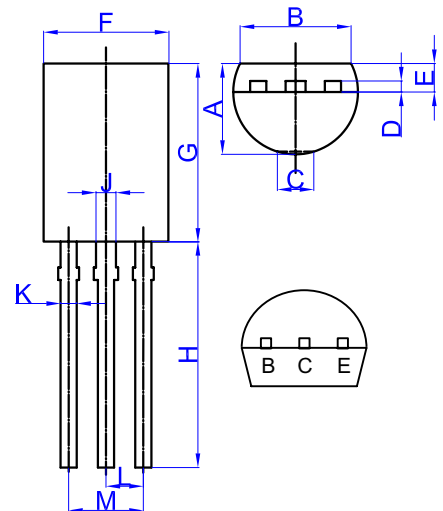
2SD468

NPN Epitaxial Silicon Transistor

Features

- Low Frequency Power Amplifier.
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Complementary pair with 2SB562

TO-92L



Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	20	V
V_{CBO}	Collector-Base Voltage	25	V
V_{EBO}	Emitter-Base Voltage	5.0	V
I_C	Collector Current	1.0	A
P_C	Collector power dissipation	0.9	W
T_J	Junction Temperature	-55 to +150	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +150	$^{\circ}C$

Electrical Characteristics @ 25 $^{\circ}C$ Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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OFF CHARACTERISTICS

BV_{CBO}	Collector-Base Breakdown Voltage ($I_C=10\mu A_{dc}$, $I_E=0$)	20	---	---	Vdc
BV_{CEO}	Collector-Emitter Breakdown Voltage ($I_C=1mA_{dc}$, $I_B=0$)	25	---	---	Vdc
BV_{EBO}	Emitter-Base Breakdown Voltage ($I_E=0.01mA_{dc}$, $I_C=0$)	5.0	---	---	Vdc
I_{CBO}	Collector Cutoff Current ($V_{CB}=20V_{dc}$, $I_E=0$)	---	---	1000	nAdc
I_{EBO}	Emitter Cutoff Current ($V_{EB}=4.0V_{dc}$, $I_C=0$)	---	---	1000	nAdc

ON CHARACTERISTICS

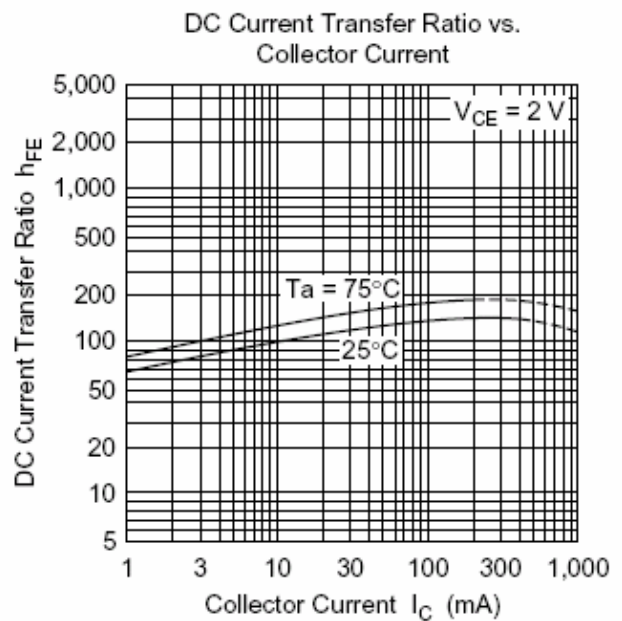
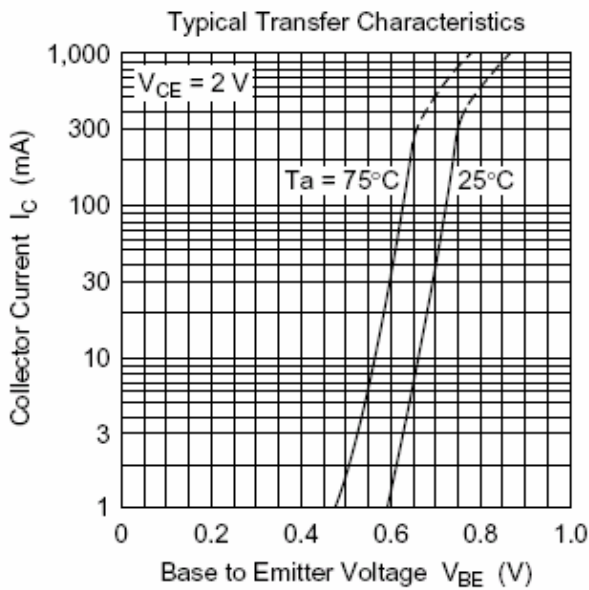
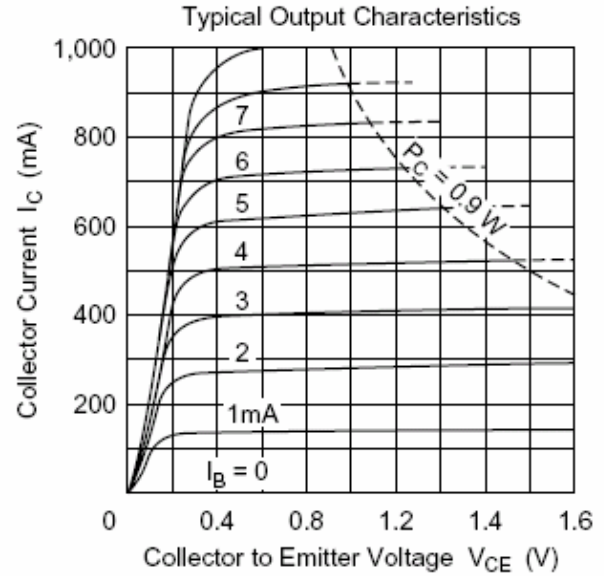
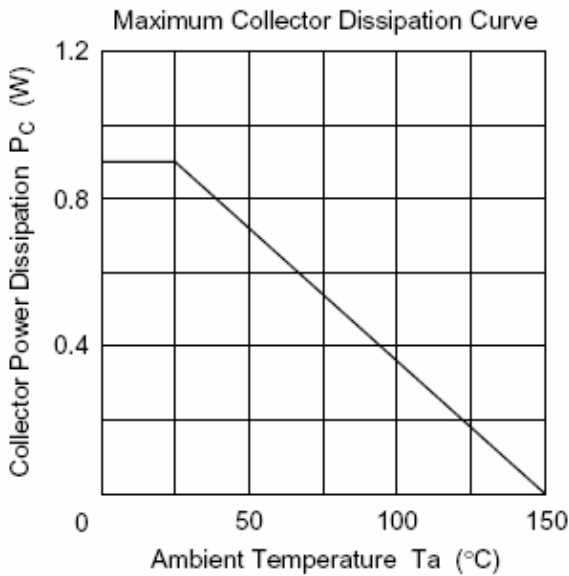
h_{FE}	DC Current gain ($I_C=500mA_{dc}$, $V_{CE}=2.0V_{dc}$)	85	---	240	---
$V_{BE(on)}$	Base-Emitter On Voltage ($V_{CE}=2.0V_{dc}$, $I_C=500mA_{dc}$)	---	---	1.0	Vdc
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C=0.8A_{dc}$, $I_B=80mA_{dc}$)	---	---	0.5	Vdc
f_T	Current Gain Bandwidth Product ($V_{CE}=2.0V_{dc}$, $I_C=500mA_{dc}$)	---	190	---	MHz
C_{ob}	Output Capacitance ($V_{CB}=10V_{dc}$, $I_E=0$, $f=1.0MHz$)	---	22	---	pF

(1) h_{FE} Classification B: 85~170, C: 120~240

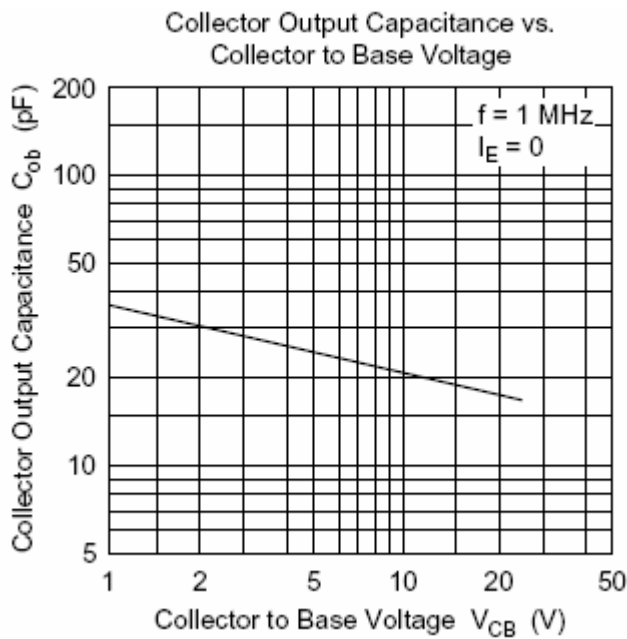
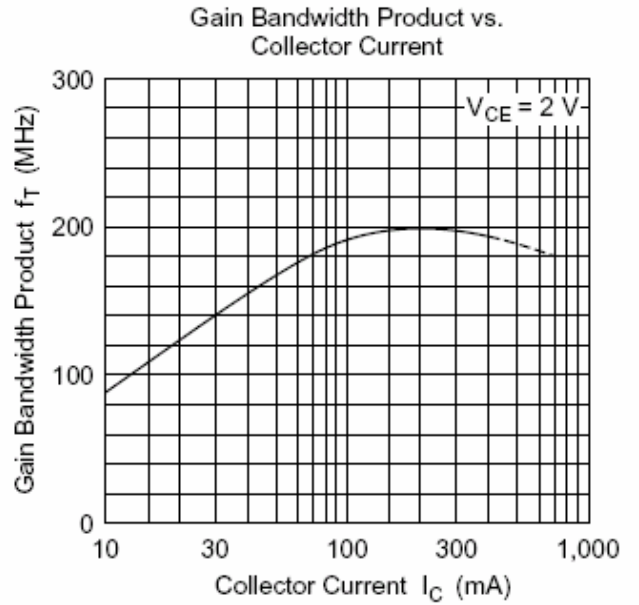
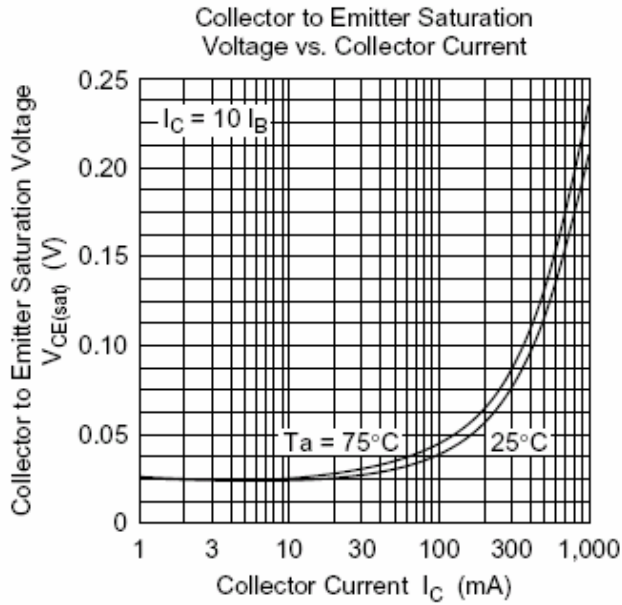
DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.146	.161	3.700	4.10	
B	.157	---	4.000	---	
C	---	0.063	---	1.600	
D	.014	.018	0.350	0.450	
E	.050	.062	1.280	1.580	
F	.185	.201	4.700	5.100	
G	.307	.323	7.800	8.200	
H	.543	.559	13.80	14.20	
J	.024	.031	.600	.800	
K	.014	.022	0.350	.550	
L	.050		1.270		
M	.096	.104	2.440	2.640	

2SD468

Typical Characteristics



Typical Characteristics





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