



Micro Commercial Components

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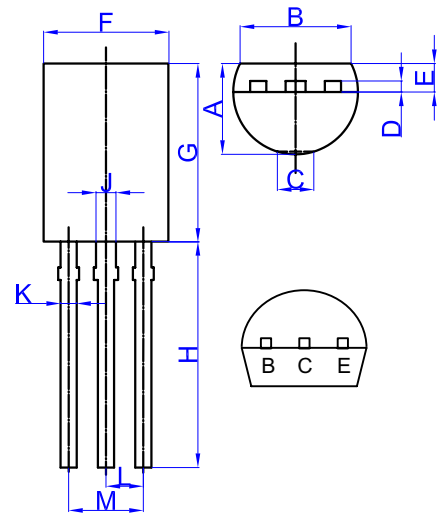
2SD468

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-Emmitter 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	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°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 μAdc, I _E =0)	20	---	---	Vdc
BV _{CEO}	Collector-Emmitter Breakdown Voltage (I _C =1mAdc, I _B =0)	25	---	---	Vdc
BV _{EBO}	Emitter-Base Breakdown Voltage (I _E =0.01mAdc, I _C =0)	5.0	---	---	Vdc
I _{CBO}	Collector Cutoff Current (V _{CB} =20Vdc, I _E =0)	---	---	1000	nAdc
I _{EBO}	Emitter Cutoff Current (V _{EB} =4.0Vdc, I _C =0)	---	---	1000	nAdc

ON CHARACTERISTICS

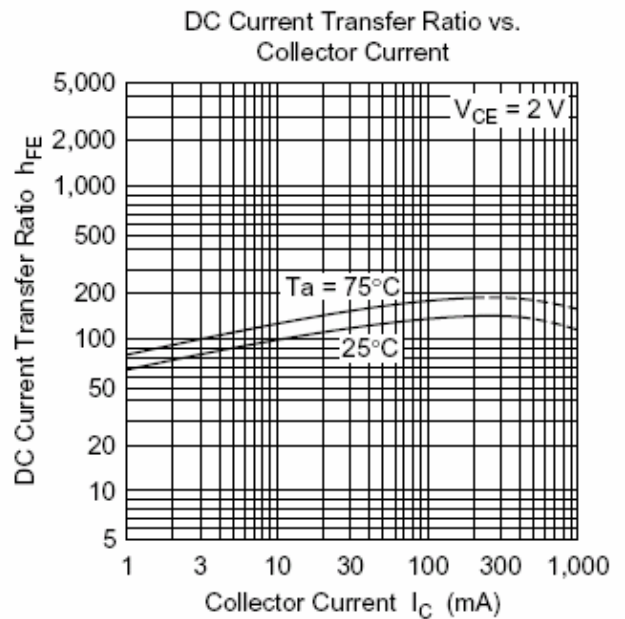
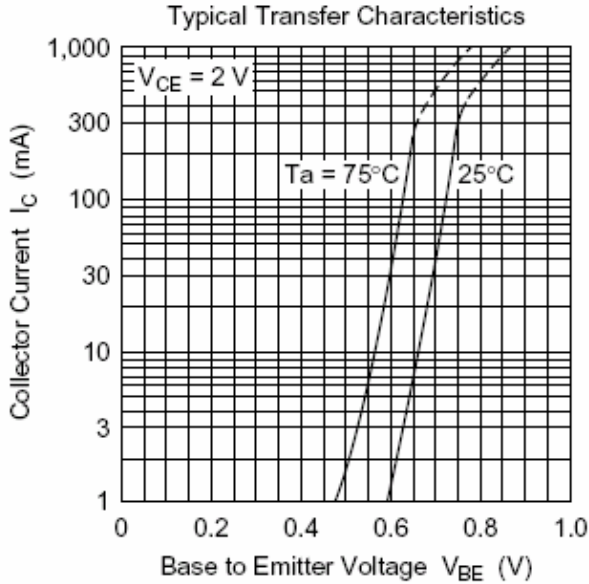
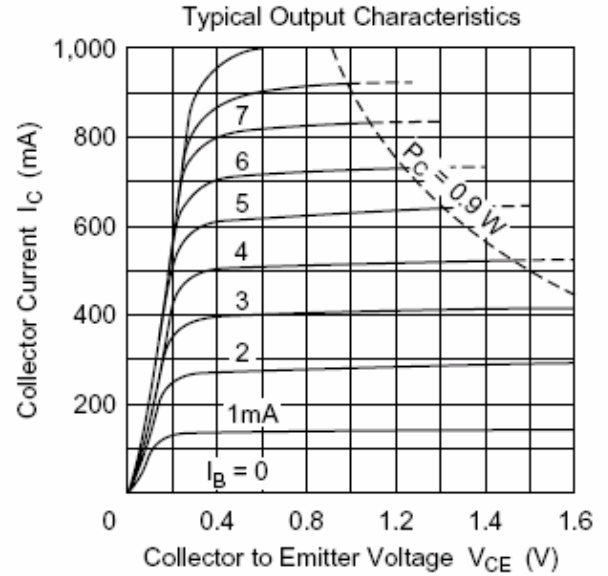
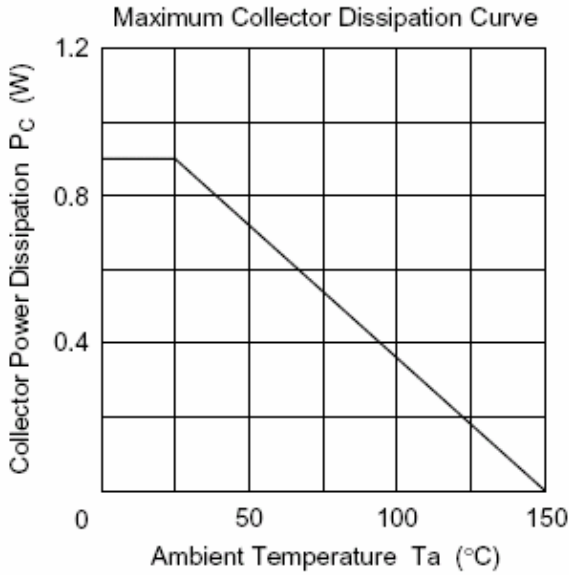
h _{FE}	DC Current gain (I _C =500mAdc, V _{CE} =2.0Vdc)	85	---	240	---
V _{BE(on)}	Base-Emmitter On Voltage (V _{CE} =2.0Vdc, I _C =500mAdc)	---	---	1.0	Vdc
V _{CE(sat)}	Collector-Emmitter Saturation Voltage (I _C =0.8Adc, I _B =80mAdc)	---	---	0.5	Vdc
f _T	Current Gain Bandwidth Product (V _{CE} =2.0Vdc, I _C =500mAdc)	---	190	---	MHz
C _{ob}	Output Capacitance (V _{CB} =10Vdc, I _E =0, f=1.0MHz)	---	22	---	pF

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

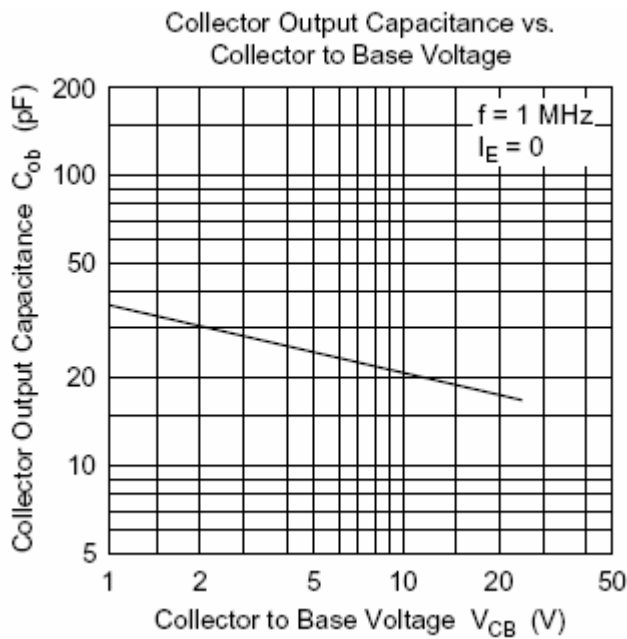
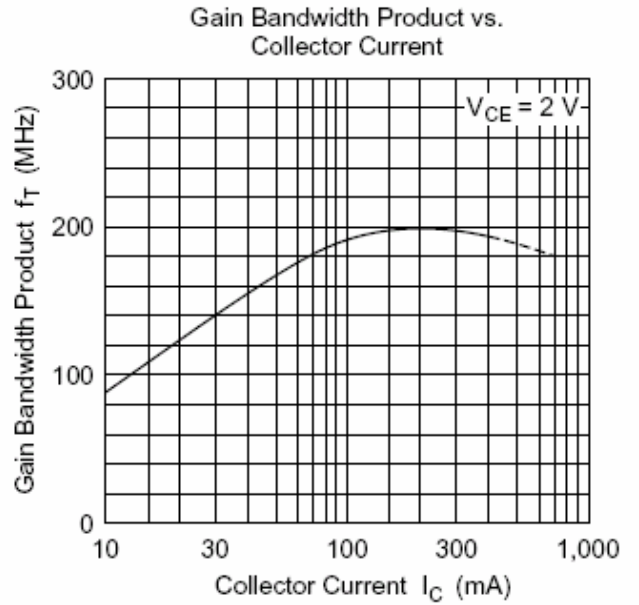
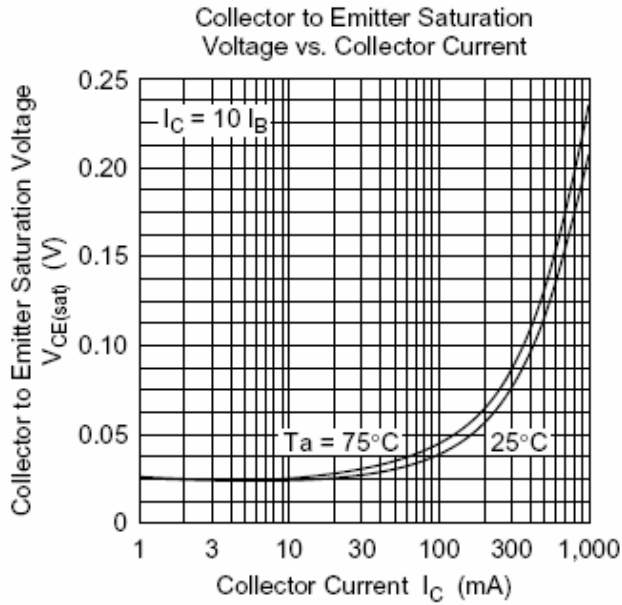
DIM	DIMENSIONS				NOTE
	INCHES		MM		
A	.146	.161	3.700	4.10	
B	.157	---	4.000	---	
C	---	0.063	---	1.600	
D	.014	.018	0.350	0.450	
E	.050	.062	1.280	1.580	
F	.185	.201	4.700	5.100	
G	.307	.323	7.800	8.200	
H	.543	.559	13.80	14.20	
J	.024	.031	.600	.800	
K	.014	.022	0.350	.550	
L	.050		1.270		
M	.096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

2SD468

Typical Characteristics



Typical Characteristics





TM

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