Micro Commercial Components
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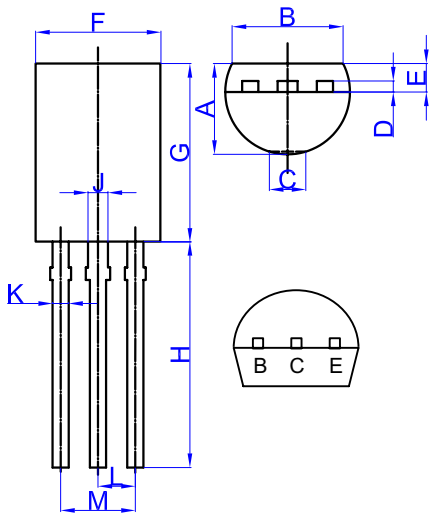
2SD468

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	°C
T_{STG}	Storage Temperature	-55 to +150	°C

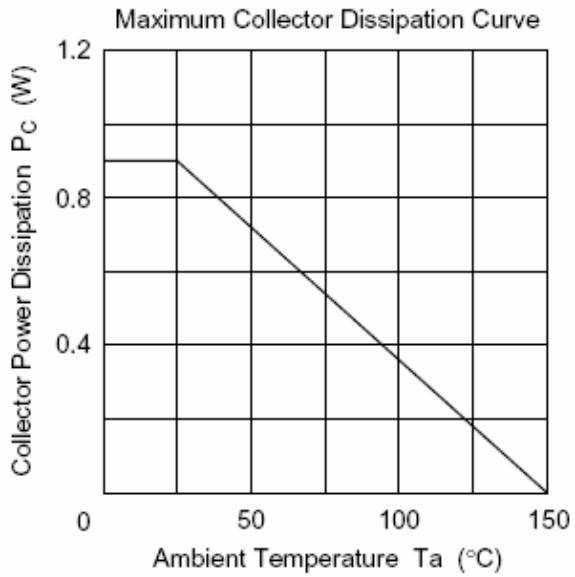
Electrical Characteristics @ 25°C Unless Otherwise Specified

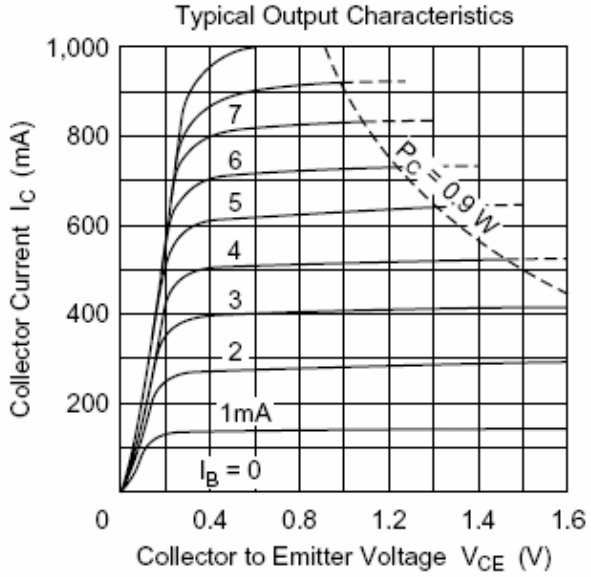
Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
BV_{CBO}	Collector-Base Breakdown Voltage (I_C=10 μ Adc, I_E=0)	20	---	---	Vdc
BV_{CEO}	Collector-Emitter Breakdown Voltage (I_C=1mAdc, I_B=0)	25	---	---	Vdc
BV_{EBO}	Emitter-Base Breakdown Voltage (I_E=0.01mAdc, I_C=0)	5.0	---	---	Vdc
I_{CBO}	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-Emitter On Voltage (V_{CE}=2.0Vdc, I_C=500mAdc)	---	---	1.0	Vdc
$V_{CE(sat)}$	Collector-Emitter 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

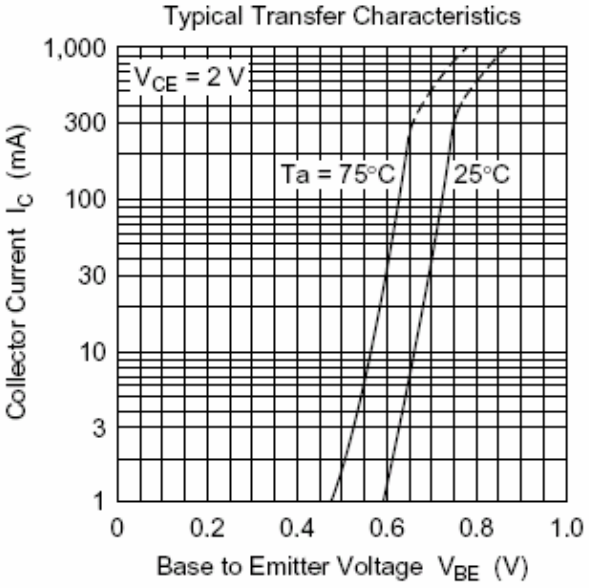
(1) h_{FE} Classification B: 85~170, C: 120~240

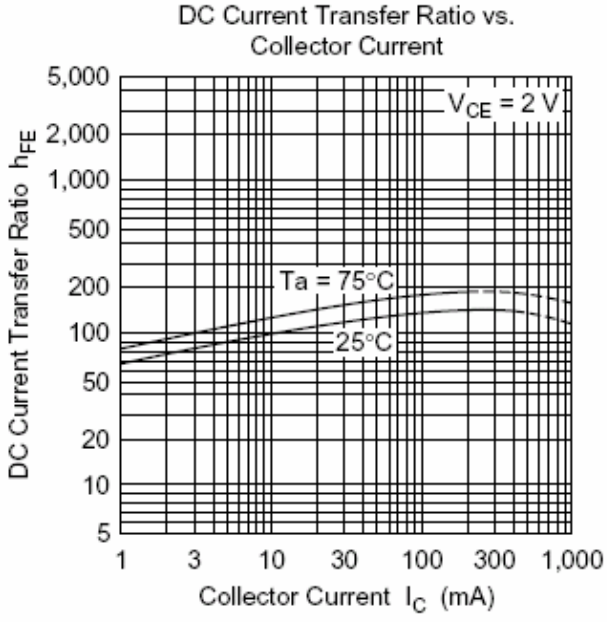
DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.146	.161	3.700	4.10	
B	.157	---	4.000	---	
C	---	**0.063**	---	**1.600**	
D	.014	.018	0.350	0.450	
E	.050	.062	1.280	1.580	
F	.185	.201	4.700	5.100	
G	.307	.323	7.800	8.200	
H	.543	.559	13.80	14.20	
J	.024	.031	.600	.800	
K	.014	.022	0.350	.550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

Typical Characteristics









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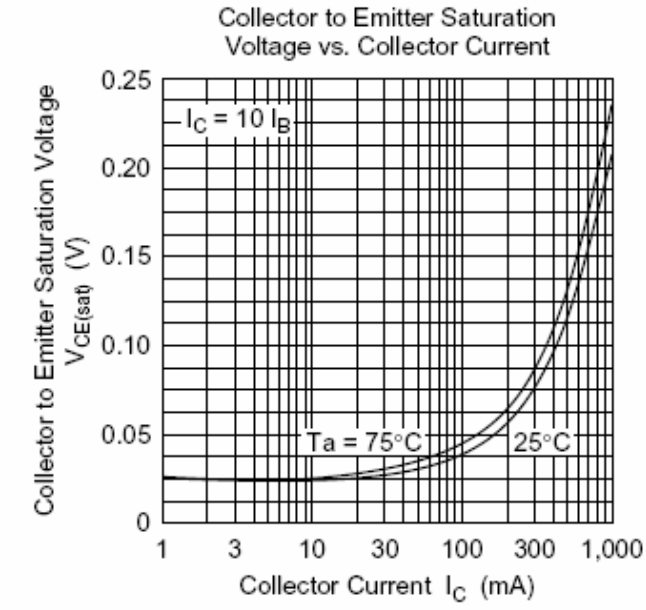

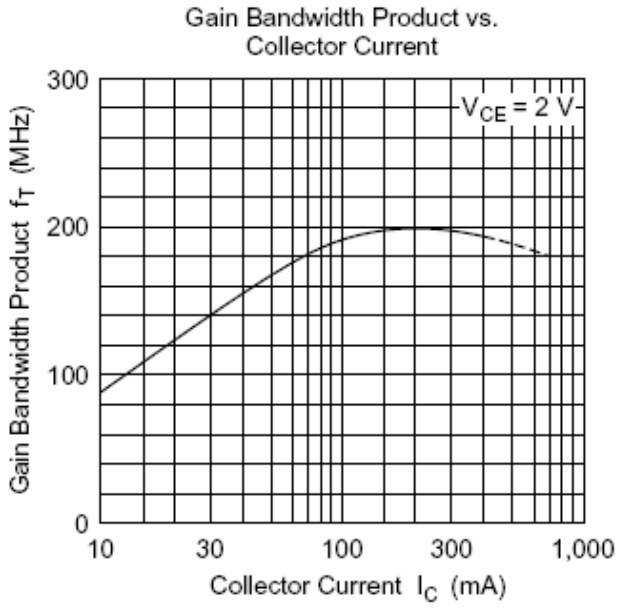

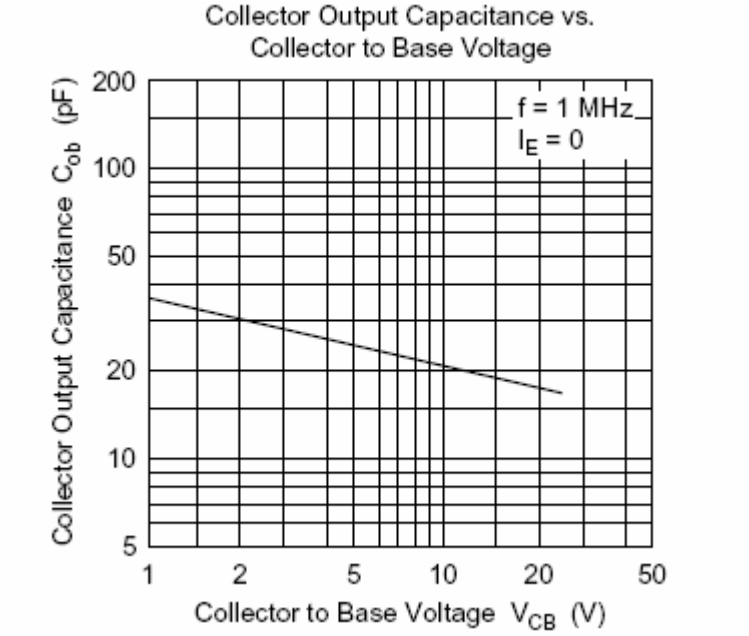

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