



Micro Commercial Components
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2SC2532

Features

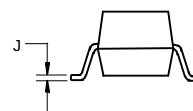
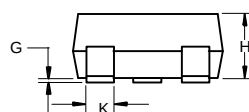
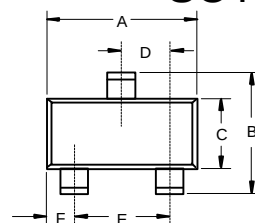
- High h_{FE} : $h_{FE(1)}=5000$ (Min.) ($I_C=10mA$)
 $h_{FE(2)}=10000$ (Min.) ($I_C=100mA$)

Maximum Ratings

Symbol	Rating	Rating	Unit
V_{CEO}	Collector-Emitter Voltage	40	V
V_{CBO}	Collector-Base Voltage	40	V
V_{EBO}	Emitter-Base Voltage	10	V
I_C	Collector Current	300	mA
I_B	Base Current	60	mA
P_C	Collector power dissipation	150	mW
T_J	Junction Temperature	-55 to +150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

NPN Silicon Epitaxial Transistors

SOT-23



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.098	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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OFF CHARACTERISTICS

I_{CBO}	Collector Cutoff Current ($V_{CB}=40Vdc, I_E=0$)	---	---	0.1	μA_{dc}
I_{EBO}	Emitter Cutoff Current ($V_{EB}=8.0Vdc, I_C=0$)	---	---	0.1	μA_{dc}

ON CHARACTERISTICS

$h_{FE(1)}$	DC Current Gain ($I_C=10mA_{dc}, V_{CE}=5.0Vdc$)	5000	---	---	---
$h_{FE(2)}$	DC Current Gain ($I_C=100mA_{dc}, V_{CE}=2.0Vdc$)	10000	---	---	---
$V_{CE(sat)}$	Collector Saturation Voltage ($I_C=300mA_{dc}, I_B=0.3mA_{dc}$)	---	0.9	1.3	Vdc
V_{BE}	Base Emitter Voltage ($V_{CB}=2.0Vdc, I_C=100mA_{dc}$)	---	1.25	1.6	Vdc

Suggested Solder Pad Layout

