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2N4058
 2N4059
 2N4060
 2N4061
 2N4062



SILICON PNP TRANSISTOR

JEDEC TO-92 CASE

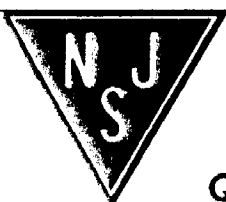
MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$)

Collector-Base Voltage
 Collector-Emitter Voltage
 Emitter-Base Voltage
 Collector Current
 Power Dissipation
 Operating and Storage
 Junction Temperature

SYMBOL		UNIT
V_{CB0}	30	V
V_{CE0}	30	V
V_{EB0}	6.0	V
I_C	200	mA
P_D	625	mW
T_J, T_{stg}	-65 TO +150 $^{\circ}\text{C}$	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

SYMBOL	TEST CONDITIONS	2N4058		2N4059		2N4060		2N4061		2N4062		UNIT
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
I_{CB0}	$V_{CB}=20\text{V}$		100		100		100		100		100	nA
I_{EB0}	$V_{EB}=6.0\text{V}$		100		100		100		100		100	nA
BV_{CE0}	$I_C=1.0\text{mA}$	30		30		30		30		30		V
$V_{CE(SAT)}$	$I_C=10\text{mA}, I_B=0.5\text{mA}$		0.7		0.7		0.7		0.7		0.7	V
$V_{BE(ON)}$	$V_{CE}=5.0\text{V}, I_C=1.0\text{mA}$	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	V
h_{FE}	$V_{CE}=5.0\text{V}, I_C=100\mu\text{A}$	100	400									
h_{FE}	$V_{CE}=5.0\text{V}, I_C=1.0\text{mA}$			45	660	45	165	90	330	180	660	
h_{fe}	$V_{CE}=5.0\text{V}, I_C=100\mu\text{A}, f=1\text{kHz}$	100	550									
h_{fe}	$V_{CE}=5.0\text{V}, I_C=1.0\text{mA}, f=1\text{kHz}$			45	800	45	250	90	450	180	800	
NF	$V_{CE}=5.0\text{V}, I_C=100\mu\text{A}, R_G=5\text{K}\Omega, BW=15.7\text{kHz}$ (2N4058 only)		5.0		-		-		-		-	dB



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