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	(T _{amb} = 25°	C unless otherwise stated)	EACH SIDE	TOTAL DEVICE		
V _{CBO}	Collector – Base Voltage	•	45V	:		
V _{CEO}	Collector - Emitter Voltage	1	45V	i - !		
V _{EBO}	Emitter – Base Voltage		6V			
lc	Continuous Collector Currer	nt	30			
P _D	Total Device Dissipation	T _{AMB} = 25°C	300mW	500mW		
. Б		Derate above 25°C	1.72mW / °C	2.86W / °C		
P_{D}	Total Device Dissipation	T _C = 25°C	750mW	1.5W		
· D	·	Derate above 25°C	4.3mW / °C	8.6mW / °C		
T _{STG}	Storage Temperature Range	-65 to	200°C			
T _L	Lead temperature (Soldering, 10 sec.)		300°C			

NOTES

ELECTRICAL CHARACTERISTICS (T_{amb} = 25°C unless otherwise stated)

	Parameter	Test Conditions 1		Min.	Тур.	Max.	Unit		
INDIVIDUAL TRANSISTOR CHARACTERISTICS									
V _{(BR)CBO}	Collector - Base Breakdown Voltage	$I_C = 10\mu A$	l _E = 0	45					
V _{(BR)CEO*}	Collector – Emitter Breakdown Voltage	$I_C = 10mA$	I _B = 0	45			\ \		
V _{(BR)EBO}	Emitter – Base Breakdown Voltage	l _E = 10μA	I _C = 0	6			7		
	Collector Cut-off Current	V _{CB} = 45V	I _E = 0			10	nA		
Ісво			T _A = 150°C			10	μА		
I _{CEO}	Collector Cut-off Current	V _{CE} = 5V	I _B = 0			2	nA		
I _{EBO}	Emitter Cut-off Current	V _{EB} = 5V	I _C = 0			2	7 ''^		
h _{FE}	DC Current Gain	V _{CE} = 5V	l _C = 10μA	150		600			
			T _A = -55°C	30					
		V _{CE} = 5V	I _C = 100μA	225			1 -		
		V _{CE} = 5V	I _C = 1mA	300			1 .		
V _{BE}	Base – Emitter Voltage	V _{CE} = 5V	I _C = 100μA			0.70	V		
V _{CE(sat)}	Collector - Emitter Saturation Voltage	I _B = 100μA	I _C = 1mA			0.35	1 °		
h _{ib}	Small Signal Common – Base	V _{CB} = 5V	I _C = 1mA	05					
	Input Impedance	f = 1kHz		25		32	Ω		
h _{ob}	Small Signal Common – Base	V _{CB} = 5V	I _C = 1mA						
	Output Admittance	f = 1kHz			1	1	μmho		
h _{fe}	Small Signal Common - Base	V _{CE} = 5V	5V I _C = 500μA		-				
	Current Gain	f = 20MHz	Í	3	į				
C _{obo}	Common – Base Open Circuit	V _{CB} = 5V	l _E = 0						
	·	f = 140kHz to				6	pF		

^{*} Pulse Test: $t_p = 300 \mu s$, $\delta \le 1\%$.



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

^{1.} Base - Emitter Diode Open Circuited.

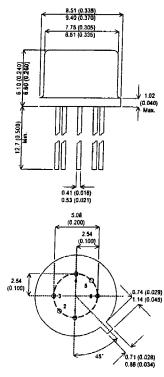
				2N2916		2N2918				
	Parameter Test		Conditions	Min.	Тур.	Max.	Min.	Тур.	Max.	Unit
TRANSIST	OR MATCHING CHARAC	TERISTICS	-							
h _{FE1}	Static Forward Current	V _{CE} = 5V	I _C = 100μA	0.9		1	0.8		1	_
h _{FE1} h _{FE2}	Gain Balance Ratio	See Note 2.								
V _{BE1} – V _{BE2}	Base - Emitter Voltage	V _{CE} = 5V	I _C = 100μA			3			5	mV
	Differential	V _{CE} = 5V	l _C = 10μA to 1mA			5			10	3110
$ \Delta(V_{BE1} - V_{BE2})\Delta T_A $ Base – Emitter Voltage		V _{CE} = 5V	I _C = 100μA		0.8			1.6		
		T _{A1} = 25°C	$T_{A2} = -55^{\circ}C$			0.0			1.0	mV
	Differential Change With	V _{CE} = 5V	l _C = 100μA			1			2	1110
	Temperature	T _{A1} = 25°C	T _{A2} = 125°C							

NOTES

- 1) Terminals not under test are open circuited under all test conditions.
- 2) The lower of the two readings is taken as h_{FE1} .

MECHANICAL DATA

Dimensions in mm (inches)



TO-77 PACKAGE

PIN 1 - Collector 1

PIN 4 - Emitter 2

PIN 2 - Base 1

PIN 5 - Base 2

PIN 3 - Emitter 1

PIN 6 - Collector 2

ABSOLUTE MAXIMUM RATINGS