



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

<u>Symbol</u>	<u>Test Conditions</u>	<u>Type</u>	<u>Min</u>	<u>Max</u>	<u>Unit</u>
$h_{ib}$	$V_{CB} = 5V$ $I_E = 1 \text{ mA}$ $f = 1 \text{ KHZ}$	All	29 typ.		ohm
$h_{rb}$		All	7 typ.		X10-4
$h_{ob}$		All	0.40 typ.		u mho
$h_{fe}$		All	140 typ.		-
NF		All	3 typ.		db
$C_{ob}$	$V_{CB} = 5V, f = 1 \text{ MHz}$	All	20 max.		pf
$C_{ib}$	$V_{EB} = 5V f = 1 \text{ MHz}$	All	9 typ.		pf
$t_d$	$I_c = 10 \text{ mA}, I_{B1} = 1.3 \text{ mA}$	All	0.06 typ.		u sec
$t_r$	$I_{Bz} = 0.7 \text{ mA}$	All	0.16 typ.		u sec
$t_s$	$V_{BE} (\text{off}) = 0.8V$	All	0.75 typ.		u sec
$t_f$	$R_L = 1K \text{ ohm}$	All	0.35 typ.		u sec
$f_{hfb}$	$V_{CB} = 5V, I_E = 1 \text{ mA}$	2N1303	3		MHz
		2N1305	5		MHz
		2N1307	10		MHz
		2N1309	15		MHz

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