

### FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

### MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Base 1 – emitter reverse voltage	$V_{B1E}$	30	V
Base 2 – emitter reverse voltage	$V_{B2E}$	30	V
Interbase voltage	$V_{B1B2}$	35	V
RMS emitter current	$I_{FRMS}$	50	mA
Emitter peak current	$I_{EM}$	2	A
Total power dissipation	$P_{tot}$	450	mW
Maximum junction temperature	$T_J$	150	°C
Storage temperature range	$T_{stg}$	-55 to 150	°C

### ELECTRICAL CHARACTERISTICS ( $T_A = 25^\circ\text{C}$ unless otherwise specified)

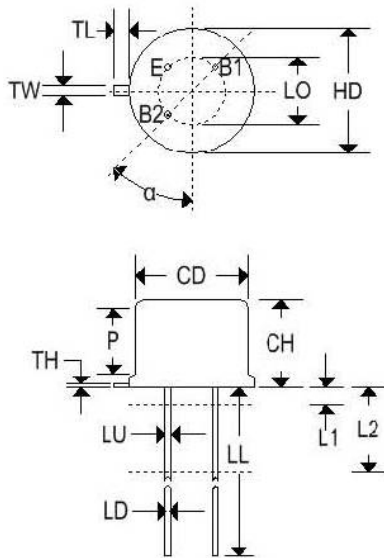
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit	
Emitter reverse current	$I_{EB2O}$	$V_{B2E} = 30\text{V}, I_{B1} = 0$	2N1671	-	-	-12	$\mu\text{A}$
			2N1671A	-	-	-12	
			2N1671B	-	-	-0.2	
Emitter saturation voltage	$V_{EB1(sat)}$	$V_{B2B1} = 10\text{V}, I_E = 50\text{mA}$	2N1671	-	-	5	V
			2N1671A	-	-	5	
			2N1671B	-	-	5	
Interbase resistance	$R_{BBO}$	$V_{B2B1} = 3\text{V}, I_E = 0$	2N1671	4.7	-	9.1	$\text{K}\square$
			2N1671A	4.7	-	9.1	
			2N1671B	4.7	-	9.1	
Intrinsic standoff ratio	$\eta$	$V_{B2B1} = 10\text{V}$	2N1671	0.47	-	0.62	-
			2N1671A	0.47	-	0.62	
			2N1671B	0.47	-	0.62	
Valley current	$I_V$	$V_{B2B1} = 10\text{V}, R_{B2} = 100\square$	2N1671	-	-	8	mA
			2N1671A	-	-	8	
			2N1671B	-	-	8	
Peak current	$I_P$	$V_{B2B1} = 25\text{V}$	2N1671	-	-	25	$\mu\text{A}$
			2N1671A	-	-	25	
			2N1671B	-	-	6	

# 2N1671(A-C)

## UNIUNCTION TRANSISTORS

### MECHANICAL CHARACTERISTICS

<b>Case</b>	TO-5
<b>Marking</b>	Alpha-numeric
<b>Polarity</b>	See below



Dim	TO-5			
	Inches		Millimeters	
	Min	Max	Min	Max
HD	0.335	0.370	8.510	9.400
CD	0.305	0.335	7.750	8.510
CH	0.240	0.260	6.100	6.600
LL	1.500	-	38.100	-
LD	0.016	0.021	0.410	0.530
LU	0.016	0.019	0.410	0.480
P	0.100	-	2.540	-
TL	0.029	0.045	0.740	1.140
TW	0.028	0.034	0.710	0.860
TH	0.009	0.125	0.230	3.180
LO	0.141 NOM		3.590 NOM	
α	45°TP		45°TP	