

2N1671 - 2N1671A - 2N1671B

PN BAR-TYPE SILICON UNIJUNCTION TRANSISTORS

They are designed for medium-power switching, oscillator and pulse timing circuits.

Package outline is similar to TO-5 except

- Highly Stable Negative Resistance and Firing Voltage
- Low Firing Current
- High Pulse Curent Capabilities
- Simplified Circuit Design

ABSOLUTE MAXIMUM RATINGS

Symbol	Ratings		Value	Unit
		2N1671		
V _{B1E}	Base 1 – Emitter Reverse Voltage	2N1671A	30	V
		2N1671B		
		2N1671		
V _{B2E}	Base 2 – Emitter Reverse Voltage	2N1671A	30	V
		2N1671B		
V _{B1B2}	Interbase Voltage	2N1671		
		2N1671A	35	V
		2N1671B		
		2N1671		
I _{FRMS}	RMS Emitter Current	2N1671A	50	mA
		2N1671B		
I _{EM}	Emitter Peak Current	2N1671		Α
		2N1671A	2	
		2N1671B		
P _{TOT}	Total Power Dissipation	2N1671		mW
		2N1671A	450	
		2N1671B		
TJ	Maximum Junction	2N1671		
		2N1671A	150	
		2N1671B	1	°C
T _{STG}	Storage Temperature Range	2N1671		
		2N1671A	-55 to +150	
		2N1671B		

This data guaranteed in addition to JEDEC registered data

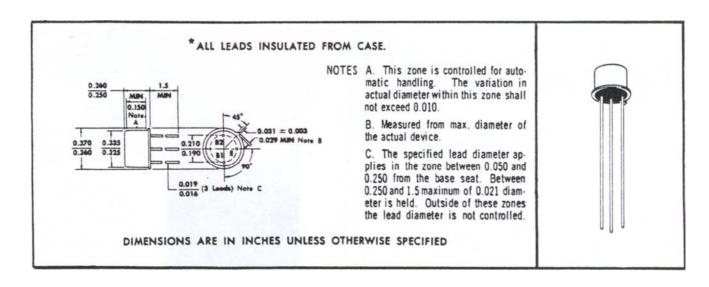
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ELECTRICAL CHARACTERISTICS

TC=25°C unless otherwise noted

Symbol	Ratings	Test Condition(s)		Min	Тур	Mx	Unit
			2N1671	-	-	-12	
I _{EB2O}	Emitter Reverse Current	V _{B2E} =30 ∨, I _{B1} = 0	2N1671A	-	-	-12	μΑ
			2N1671B	-	_	-0.2	
V _{EB1(sat)}	Emitter saturation Voltage	V _{B2B1} = 10 V, I _E = 50 mA	2N1671	-	-	5	V
			2N1671A	-	-	5	
			2N1671B	-	-	5	
R _{BBO}	Interbase Resistance	V _{B2B1} = 3 V, , I _E = 0	2N1671	4.7	-	9.1	K□
			2N1671A	4.7	-	9.1	
			2N1671B	4.7	-	9.1	
η	Intrinsic stand-off ratio	V _{B2B1} = 10 V	2N1671	0.47	_	0.62	-
			2N1671A	0.47	-	0.62	
			2N1671B	0.47	-	0.62	
l _v	Valley Current	V _{B2B1} = 10 V, R _{B2} = 100 □	2N1671	_	_	8	mA
			2N1671A	-	-	8	
			2N1671B	-	-	8	
l _P	Peak Current	V _{B2B1} = 25 V	2N1671	-	_	25	μΑ
			2N1671A	_	_	25	
			2N1671B	-	-	6	

MECHANICAL DATA CASE TO-5



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Data are subject to change without notice.