

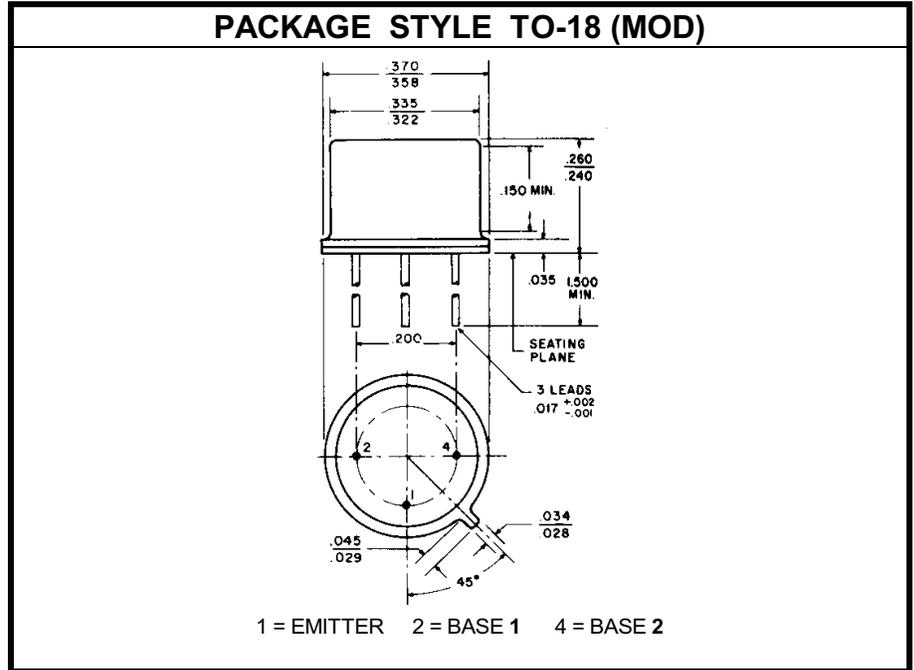
# UNIUNCTION TRANSISTOR

**DESCRIPTION:**

The **2N1671** is a Unijunction Transistor Used in General Purpose Pulse, Timing, Sense and Trigger Applications.

**MAXIMUM RATINGS**

<b>I<sub>C</sub></b>	2.0 A (PULSED)
<b>V<sub>CE</sub></b>	30 V
<b>P<sub>DISS</sub></b>	450 mW @ T <sub>C</sub> = 25 °C
<b>T<sub>J</sub></b>	-65 °C to +140 °C
<b>T<sub>STG</sub></b>	-65 °C to +150 °C
<b>θ<sub>JC</sub></b>	255 °C/W


**CHARACTERISTICS**    T<sub>C</sub> = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
<b>η</b>	V <sub>B2B1</sub> = 10 V	0.47		0.62	---
<b>r<sub>BB</sub></b>	V <sub>B2B1</sub> = 3.0 V	4.7		9.1	KΩ
<b>V<sub>EB1(SAT)</sub></b>	V <sub>B2B1</sub> = 10 V    I <sub>E</sub> = 50 mA			5.0	V
<b>I<sub>B2 (MOD)</sub></b>	V <sub>B2B1</sub> = 10 V    I <sub>E</sub> = 50 mA	6.8		22	mA
<b>I<sub>B2EO</sub></b>	V <sub>B2B1</sub> = 30 V    I <sub>B1</sub> = 0			12	μA
<b>I<sub>P</sub></b>	V <sub>B2B1</sub> = 25 V			25	μA
<b>I<sub>V</sub></b>	V <sub>B2B1</sub> = 20 V    R <sub>B2</sub> = 100 Ω	8.0			mA