

Transistor

Unijunction, TO-18



Pin Configurations

1. Emitter
2. Base 1
3. Base 2

Absolute Maximum Ratings:

T_j=125°C unless otherwise noted

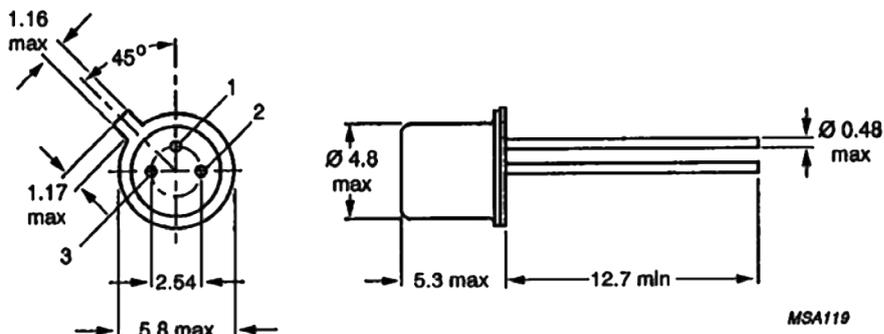
Symbol	Ratings	Value	Unit
V _{B2E}	Emitter-Base2 Voltage	30	V
I _e	RMS Emitter Current	50	mA
i _e	Peak Pulse Emitter Current	2	A
V _{B2B1}	Interbase Voltage	35	V
P _D	RMS power Dissipation	300	mW
T _J	Junction Temperature	-65 to +125	°C
T _{Stg}	Storage Temperature	-65 to +150	°C

Electrical Characteristics:

TC=25°C unless otherwise noted

Symbol	Ratings	Min.	Typ.	Max.	Unit
η	Intrinsic stand-off ratio, V _{B2B1} = 10V	0.56	-	0.75	-
R _{BBO}	Interbase Resistance, V _{B2B1} = 3V	4.7	-	9.1	KΩ
V _{EB1(sat)}	Emitter Saturation Voltage V _{B2B1} = 10V, I _E = 50 mA	-	-	2.5	V
I _{B2(MOD)}	Modulated Interbase Current V _{B2B1} = 10V, I _E = 50 mA	-	15	-	V
I _{EO}	Emitter Revers Current V _{B2E} = 30 V, I _{B1} = 0	-	-	12	μA
V _{(BR)B1E}	Base 1 Emitter breakdown Voltage I _E = 100 μA	30	-	-	V
I _V	Valley Current, V _{B2B1} = 20 V	4	-	-	mA
I _P	Peak Current, V _{B2B1} = 25 V	-	-	5	μA

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Dimensions : Millimetres

Part Number Table

Description	Part Number
Silicon Unijunction Transistor	2N2646

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