

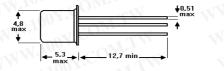
2N2646 2N2647

勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

## SILICON UNIJONCTION TRANSISTORS

Silicon Planar Unijunction Transistors have a structure resulting in lower saturation voltage, peak-point current and valley current as well as a much higher base-one peak pulse voltage. In addition, these devices are much faster switches.

The 2N2646 is intended for general purpose industrial applications where circuit economy is of primary importance, and is ideal for use in firing circuits for Silicon Controlled Rectifiers and other applications where a guaranteed minimum pulse amplitude is required. The 2N2647 is intended for applications where a low emitter leakage current and a low peak point emitter current (trigger current) are required and also for triggering high power SCR's.





## MAXIMUM RATINGS (\*)

T<sub>J</sub>=125°C unless otherwise noted

Symbol	Ratings	2N2646 2N264	7,77
V <sub>B1E</sub>	Base 1 – Emitter Voltage	30	V
V <sub>B2E</sub>	Base 2 – Emitter Voltage	30	V
I <sub>FRMS</sub>	RMS Emitter Current	50	mA
I <sub>EM</sub>	Emitter Peak Current	WWW.12 Y. COM.TW	Α
Ртот	Total Power Dissipation	300	mW
T <sub>J</sub>	Maximum Junction	150	
T <sub>STG</sub>	Storage Temperature Range	-55 to +175	°C

## **ELECTRICAL CHARACTERISTICS**

 $T_J$ =25°C unless otherwise noted,  $R_{GK}$ =1000 $\Omega$ 

Symbol	Ratings	2N2646 – 2N2647		
		Min	Max	
I <sub>EO</sub>	Emitter Reverse Current		12	μΑ
V <sub>(BR)B1E</sub>	Base 1 – Emitter Breakdown Voltage I <sub>E</sub> =100 μA	30		V

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## 2N2647

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Symbol	Ratings Interbase Resistance V <sub>B1B2</sub> = 3 V		2N2646 - 2N2647		
			Min W	Max	
R <sub>BBO</sub>			4.7 W	9.1	kΩ
η <sub>ννν.100</sub> γ.	Intrinsic stand-off ratio V <sub>B1B2</sub> = 10 V	2N2646	0.56	0.75	
		2N2647	0.68	0.82	
V <sub>E(SAT)</sub>	Emitter Saturation Voltage I <sub>E</sub> = 50 mA, V <sub>B1B2</sub> = 10 V		I COM.TW	2.5	V
I <sub>V</sub> WWW.	Valley Current V <sub>B1B2</sub> = 20 V	2N2646	4	WW. 1007.00	mA
		2N2647	8 7	MM - 100X	
l <sub>P</sub> WWW	Peak Current V <sub>B1B2</sub> = 25 V	2N2646	WY.CO.	W 5 100 Y	μΑ
		2N2647	COM.	2	

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Information furnished is believed to be accurate and reliable. However, CS assumes no responsability for the consequences of use of such information nor for errors that could appear. Data are subject to change without notice.