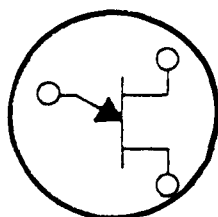


Trigger Devices

... Wide Range of Sensitivities
... Input Characteristics for Most Applications
... Industry Standards, with a variety of
Custom Specifications available.

UJT

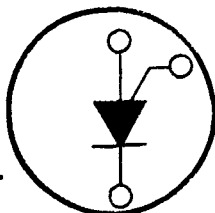


UNIUNCTION TRANSISTORS - UJT

Highly stable devices for general-purpose trigger applications and as pulse generators (oscillators) and timing circuits. Useful at frequencies ranging (generally) from 1 Hz to 1 MHz. Available in low-cost plastic package TO-226AA (TO-92)

UNIUNCTION TRANSISTORS - (UJT)						
Package	Device Type	V _s		I _p μA Max	I _{EB20} μA Max	I _V mA Min
		Min	Max			
Plastic Case 29-02 TO-226AA (TO-92)	2N4870	0.56	0.75	5.0	1.0	2.0
	2N4871	0.70	0.85	5.0	1.0	4.0
	MU4891	0.55	0.82	5.0	0.01	2.0
	MU4892	0.51	0.69	2.0	0.01	2.0
	MU4893	0.55	0.82	2.0	0.01	2.0
	MU4894	0.74	0.86	1.0	0.01	2.0
Metal Case 22A-01 TO-220AB (TO-18)	2N2646	0.56	0.75	5.0	12	4.0
	2N2647	0.68	0.82	2.0	0.2	8.0

PUT

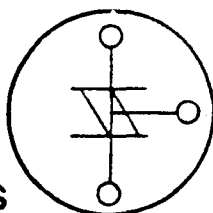


PROGRAMMABLE UNIUNCTION TRANSISTORS - PUT

Similar to UJTs, except that I_V, I_p and intrinsic standoff voltage are programmable (adjustable) by means of external voltage divider. This stabilizes circuit performance for variations in device parameters. General operating frequency range is from 0.01 Hz to 10 kHz, making them suitable for long-duration timer circuits. Two-package availability provides cost option.

PROGRAMMABLE UNIUNCTION TRANSISTORS - (PUT)							
Package	Device Type	I _p		I _{GAO} 40 V	I _V		
		R _G = 10kΩ	R _G = 1.0 MΩ		R _G = 10 kΩ	R _G = 1.0 MΩ	
		μA Max	μA Max		μA Min	μA Max	
Plastic Case 29-02 TO-226AA (TO-92)	2N6027	5.0	2.0	10	70	50	
	2N6028	1.0	0.15	10	25	25	

SBS



SILICON BIDIRECTIONAL SWITCH - SBS

Applications similar to DIAC, but has gate electrode that permits synchronization.

SILICON BIDIRECTIONAL SWITCH - (SBS)					
Package	Device Type	V _s Volts		I _S μA Max	I _H mA Max
		Min	Max		
Plastic Case 29-02 TO-226AA (TO-92)	MBS4991	6.0	10	500	1.5
	MBS4992	7.5	9.0	120	0.5