

Silicon Unidirectional Switch – SUS

Similar to 4-Layer Diodes, but has gate electrode that permits synchronization.

Package	Device Type	V _S Volts Nom		I _S μA Max.	mA Max.
		Min.	Max.		
Plastic Case 29-02 (TO-92)	MUS4987	6.0	10	500	1.5
	MUS4988	7.5	9.0	150	0.5

Unijunction 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-92) and in hermetically sealed metal package (Case 22A).

Package	Device Type			I _p μA Max.	I _{EB20} μA Max.	I _v mA Min.
		Min.	Max.			
Plastic Case 29-02 (TO-92)	2N4870	0.56	0.75	5.0	1.0	2.0
	2N4871	0.70	0.85	5.0	1.0	4.0
Metal Case 22A-01	2N2646	0.56	0.75	5.0	12	4.0
	2N2647	0.68	0.82	2.0	0.2	8.0
	2N4851	0.56	0.75	2.0	0.1	2.0
	2N4852	0.70	0.85	2.0	0.1	4.0
	2N4853	0.70	0.85	0.4	0.05	6.0

