

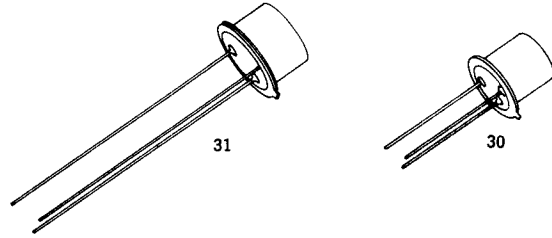
CONVENTIONAL UNIJUNCTIONS

General Electric produces a very broad line of standard UJT's. The TO-5 ceramic disc bar structure device has been the workhorse of the unijunction industry for over 10 years. MIL versions are available on the 2N489-494 series. The cube structure TO-18 series offers excellent value for those requiring proved, low cost units.

Applications

Oscillators
Timers
Sawtooth Generators

SCR Triggers
Frequency Divider
Stable Voltage Sensing



	GE Type	R _{BO} Interbase Resistance @ V _{BB} = 3V I _E = 0 (K Ω)	η Intrinsic Standoff Ratio @ V _{BB} = 10V	I _V Valley Current Min. (mA)	I _P Peak Point Emitter Current Max. (μ A)	I _{EO} Emitter Reverse Current		V _{OS1} Base One Peak Pulse Voltage Min. (V)	Comments	Package		
						Max. (μ A)	T _J = 25°C @ V _{BE} F					
TO-5 Bar Structure	2N489 2N489A* 2N489B	4.7-8.8	.51-.62	8	12 12 6	2 2 0.2	60 60 30	3 3 3	"A" versions are guaranteed in recommended circuit to trigger GE SCR's over range T _A = -55°C to 125°C. "B" versions in addition to SCR triggering guarantees lower I _{EO} and I _P for long timing periods with a smaller capacitor.	31		
	2N490 2N490A* 2N490B 2N490C	6.2-9.1	.51-.62	8	12 12 6 2	2 2 0.2 .02	60 60 30 30	3 3 3 3				
	2N491 2N491A* 2N491B	4.7-6.8	.56-.68	8	12 12 6	2 2 0.2	60 60 30	3 3 3				
	2N492 2N492A* 2N492B 2N492C	6.2-9.1	.56-.68	8	12 12 6 2	2 2 0.2 .02	60 60 30 30	3 3 3 3				
	2N493 2N493A* 2N493B	4.7-6.8	.62-.75	8	12 12 6	2 2 0.2	60 60 30	3 3 3				
	2N494 2N494A* 2N494B 2N494C	6.2-9.1	.62-.75	8	12 12 6 2	2 2 0.2 .02	60 60 30 30	3 3 3 3				
	2N1671 2N1671A 2N1671B 2N1671C	4.7-9.1	.47-.62	8	25 25 6 2	12 12 0.2 .02	30 30 30 30	3 3 3 3			Industrial types.	31
	2N2160	4.0-12.0	.47-.80	8	25	12	30	3			General purpose—low cost.	31
	2N2646	4.7-9.1	.56-.75	4	5	12	30	3			General purpose.	30
	2N2647	4.7-9.1	.68-.82	8	2	0.2	30	6			For long timing periods and triggering high current SCR's.	30
	D5J-43	4.7-9.1	.68-.82	6	2	1	30	5			General purpose.	30
	D5J-44	4.7-9.1	.68-.82	4	5	12	30	4			General purpose—low cost.	30
2N2840	4.7-9.1 ²	.62 Typical	2	10	1	30	—	For 1.5 volt applications.	30			

* JAN & JANTX types available

² V_{BE} = 1.5V