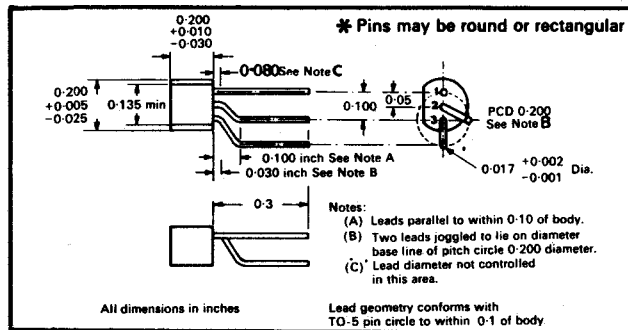


Case Outlines



Outline 9 Preformed to TO-5 pin circle

Pin Outs

Outline	Pin 1	Pin 2	Pin 3
1	B	C	E
2	E	B	C
3	B	C	E
5	C	B	E
6	B	E	C
7	B	E	C
9	B	E	C
10	B ₁	B ₂	E
11	K	G	A
12	A	G	K

High Voltage Silect

Device Type (case outline in brackets)	Polarity	Maximum ratings				PTOT		hFE IC mA	VCE V	C _{re} pF	typ ft MHz	Alternative case outlines	
		BV CBO V	BV CEO V	IC mA	pk IC mA	Free Air @ 25°C mW	Case @ 25°C W						
BFR86 (1)	NPN	120	120	200	400	800	1.6	20	30	10	2.2	130	applications include: Video output, high voltage sync separator. Line scan driver in TV's and as indicator tube drivers * min. values
BFR87 (1)	NPN	160	160	200	400	800	1.8	20	30	10	2.2	130	
BFR88 (1)	NPN	250	250	200	400	800	1.6	20	30	10	2.2	130	
BFR89 (1)	NPN	300	300	200	400	800	1.6	20	30	10	2.2	130	
BC612L (1)	PNP	75	70	200	400	300	—	60	2	5	—	200*	
BC682L (1)	NPN	75	70	200	400	300	—	60	2	5	—	150*	
BF435 (1)	PNP	160	160	200	400	625	—	50	10	5	1.8	80	
BF436 (1)	PNP	250	250	200	400	625	—	40	10	5	1.8	80	
BF437 (1)	PNP	300	300	200	400	625	—	30	10	5	1.8	80	

PN Unijunction

Device Type (case outline in brackets)	BV EB2 V	IE PKA A	PTOT mW	R _{B1} B ₂ kΩ		η		IP max.	VEBI (sat) max.	(mod) IB ₂ mA min.	General purpose unijunction available in 4 selected η ranges A,B,C,D
				min.	max.	min.	max.				
TIS43 (10)	30	1.5	300	4.0	9.1	0.55	0.82	5μA	4.0	10	A=0.55-0.64; B=0.61-0.70 C=0.67-0.76; D=0.73-0.82

Programmable Unijunction

Device Type (case outline in brackets)	IGK f V	VGA r V	PTOT mW	Offset Voltage R _g = 1 meg Ω		IP		IV		
				min V	max V	R _g = 1 meg Ω	R _g = 10 k Ω	R _g = 1 m Ω	R _g = 10 k Ω	R _g = 200 Ω
						max	max	max	min	min
A7T6027 (11)	40	40	300	0.2	1.6	2 μA	5 μA	50 μA	70 μA	25 μA
A7T6028 (11)	40	40	300	0.2	0.6	.15 μA	1.0 μA	25 μA	1.5 μA	1.0 μA