

Thyristors and Unijunctions

Thyristors

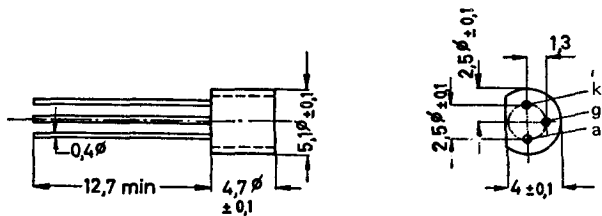
Type	Case	Maximum ratings			Characteristics @ 25°C					
		V_{FR}^1 V	I_{FM} A	T_{JM} °C	I_{FR} uA	(V_F/T_{amb}) (V/°C)	I_{GT}^1 mA	V_{GT}^1 V	I_{HR} mA	V_F (I_F) V (A)
NTS 311	Plastic	30	0.6	150	50	(30/125)	< 0.2	< 0.8	< 5.0	< 1.5 (0.3)
NTS 0660	TO18	60	0.6	150	—	—	< 10	< 3.0	—	—
NTS 1500	TO5	500	1.0	150	1000	(500/85)	< 10	< 3.0	< 25.0	< 1.6 (1.0)

¹ $R_{GK} = 1k$

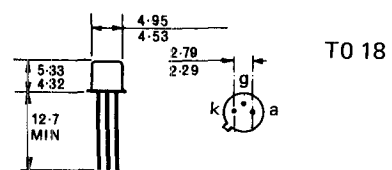
Unijunctions in TO18 metal case

Type	Maximum ratings				Characteristics @ 25°C							
	V_{BBO} V	V_{EBO} V	I_{EM} A	P_{tot} W	T_{JM} °C	r_{BB} (3V) k	η	I_{EBO} (30V) uA	$V_{EB sat}$ (50mA) V	I_V (20V) mA	I_p (25V) uA	
2N 2646	30	30	2.0	0.3	150	4.7 ... 9.1	0.56 ... 0.75	< 0.2	< 5.0	> 4	< 5.0	
2N 2647	30	30	2.0	0.3	150	4.7 ... 9.1	0.68 ... 0.82	< 0.2	—	> 8	< 2.0	

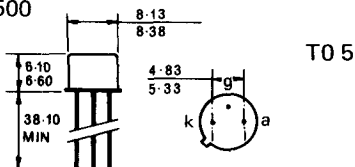
NTS 311



NTS 0660



NTS 1500



2N 2646 2N 2647

