

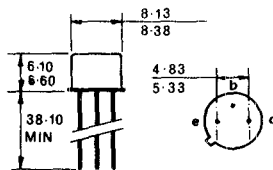
# NPN Germanium Transistors

## NPN Germanium RF Alloy Transistors in TO5 metal case

Type	Maximum Ratings						Characteristics @ 25°C		
	$BV_{CEO}$ V	$BV_{CBO}$ V	$BV_{EBO}$ V	$I_{CM}$ A	$P_{TOT}^1$ W	$T_{JM}$ °C	$h_{FE} (V_{CE}/I_C)$ (V/mA)	$h_{FE} (V_{CE}/I_C)$ (V/ma)	
ASY 28	15	30	20	0.3	0.15	85	> 15 (1/20)	—	
ASY 29	15	25	20	0.3	0.15	85	50 ... 150 (1/20)	—	
NKT 732	25	25	25	0.3	0.15	85	> 20 (1/10)	> 10 (0.35/200)	
NKT 734	20	25	25	0.3	0.15	85	40 ... 200 (1/10)	> 15 (0.35/200)	
NKT 736	—	25	25	0.3	0.15	85	60 ... 300 (1/10)	> 20 (0.35/200)	
NKT 738	—	25	25	0.3	0.15	85	> 80 (1/10)	> 20 (0.35/200)	
2N 1302	25	—	25	0.3	0.15	85	> 20 (1/10)	> 10 (0.35/200)	
2N 1304	20	—	25	0.3	0.15	85	40 ... 200 (1/10)	> 15 (0.35/200)	
2N 1306	15	—	25	0.3	0.15	85	60 ... 300 (1/10)	> 20 (0.35/200)	
2N 1308	15	—	25	0.3	0.15	85	> 80 (1/10)	> 20 (0.35/200)	

Type	Characteristics @ 25°C			
	$\max V_{CE\ sat} (I_C/I_B)$ V	$\max I_{CBO} (V_{CB})$ uA	$\min f_T (V_{CE}/I_C)$ MHz	$C_{ob}(V_{CB})$ pF
ASY 28	0.2 (10/0.33)	3 (5)	4 (5/3)	< 16 (5)
ASY 29	0.2 (10/0.2)	3 (5)	10 (5/3)	< 16 (5)
NKT 732	0.2 (10/0.5)	6 (25)	3 (5/1)	< 20 (5)
NKT 734	0.2 (10/0.25)	6 (25)	5 (5/1)	< 20 (5)
NKT 736	0.2 (10/0.17)	6 (25)	10 (5/1)	< 20 (5)
NKT 738	0.2 (10/0.13)	6 (25)	15 (5/1)	< 20 (5)
2N 1302	0.2 (10/0.5)	6 (25)	3 (5/1)	< 20 (5)
2N 1304	0.2 (10/0.25)	6 (25)	5 (5/1)	< 20 (5)
2N 1306	0.2 (10/0.17)	6 (25)	10 (5/1)	< 20 (5)
2N 1308	0.2 (10/0.13)	6 (25)	15 (5/1)	< 20 (5)

<sup>1</sup>  $T_{amb}=25^\circ\text{C}$



TO 5