

# Transistors – bipolar

## RF transistors

### Plastic package TO 92

Type		Maximum ratings			Characteristics ( $T_A = 25^\circ\text{C}$ )						Figure
		$V_{CE0}$	$I_C$	$P_{tot}$	$h_{FE}$	$I_C$	$V_{CE}$	$I_{CBO}$	$V_{CEsat}$	$f_T$	
NPN	= N	V	$I_{CM}^*$	mW		mA	V	nA	V	MHz	
BF 199	N	25	25	500	$85 (\geq 38)$	7	10	$\leq 100$	–	550	30
BF 240	N	40	25	250	65 ... 220	1	10	$\leq 100$	–	400	
BF 241	N	40	25	250	35 ... 125	1	10	$\leq 100$	–	400	
BF 254	N	20	30	250	65 ... 220	1	10	$\leq 100$	–	260	
BF 255	N	20	30	250	35 ... 125	1	10	$\leq 100$	–	220	
BF 414	P	30	25	300	$80 (\geq 30)$	4	10	$\leq 60$	–	560	31
BF 450	P	40	25	250	65 ... 220	1	10	$\leq 50$	–	375	30
BF 451	P	40	25	250	35 ... 125	1	10	$\leq 50$	–	325	
BF 506	P	35	30	300	$\geq 25$	3	10	$\leq 100$	–	550	31
BF 606 A	P	30	25	300	$\geq 30$	1	10	$\leq 60$	–	700	30
BF 763	N	15	25	500	25 ... 250	5	10	$\leq 50$	$\leq 0,5$	2000	32
BF 959	N	20	100*	500	$85 \dots (\geq 40)$	20	10	$\leq 100$	$\leq 1$	1100	30

### Plastic package T-plast

BF 970	P	35	30	160	$50 (\geq 25)$	3	10	$\leq 100$	–	950	33
BF 979 S	P	25	50*	160	$\geq 20$	10	10	$\leq 100$	–	1600	

#### TO 92

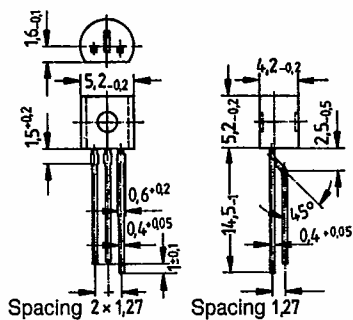


Figure 30



Figure 31

#### TO 92

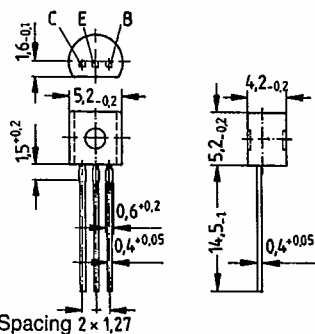


Figure 32 Spacing 2x1,27

#### T-plast

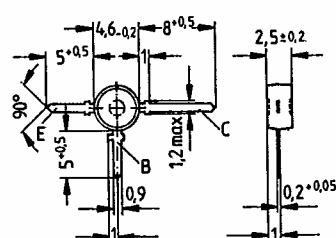


Figure 33