INDUSTRIAL TRANSISTORS (TO-92)

These devices are special products ranges intended for use in applications which require well specified high performing devices like high quality amplifier differential input, driver stage.

NPN	PNP	BV_{CEO} (Volts)	Pd mW 25 °C Amb.	I_C max. (mA) Cont.	H_{FE} Min.	H_{FE} Max.
BCX25	BCX26	60	625	200	70	400
BCX27	BCX28	80	625	200	70	400
BCX29	BCX30	100	625	200	70	400
BCX45	BCX46	45	625	1000	50	–
BCX47	BCX48	60	625	1000	50	–
BCX49	BCX50	80	625	1000	50	–
BCX58	BCX78	32	625	200	120	630
BCX58-8	BCX78-8	32	625	200	180	310
BCX58-9	BCX78-9	32	625	200	250	460
BCX59	BCX79	45	625	200	120	630
BCX59-8	BCX79-8	45	625	200	180	310
BCX59-9	BCX79-9	45	625	200	250	460
	MPS2907	40	625	600	75	–
MPS2222		30	625	600	75	–

RF TRANSISTORS (TO-92)

The RF Transistors are designed for Small-Signal amplification from RF to VHF/UHF frequencies. They are also used as mixers and oscillators in the same frequency ranges. Several types are QGC characterised.

AM/FM		Pin Out	BV_{CEO} (Volts) Min.	Pd max. (mW)	I_C max. (mA)	H_{FE} min.
NPN	PNP					
BF240		CEB	40	625	25	65
BF198*		CEB	30	625	25	27
BF199		CEB	25	625	100	40
BF254		CEB	20	625	100	65
BF241		CEB	40	625	25	35
BF255		CEB	20	625	100	35
BF368		EBC	15	625	50	35
BF369		EBC	20	625	50	70
BF371		BEC	30	625	100	40
BF373		BEC	45	625	100	40
MPS918		EBC	15	625	100	20
MPSH05		EBC	80	625	100	30
VHF						
	MPSH54	EBC	80	625	100	30
BF366		EBC	25	625	25	75
BF374		BEC	25	625	100	70
BF375		BEC	25	625	100	35
	BF906	EBC	25	625	50	20

* AGC Characteristics.
** Typical.

I_C (mA)	V_{CE} (Volts)	F_T Typ. (MHz)	N_F Typ. (dB)	Pin Out	T_{ON} Typ. (nS)	T_{OFF} Typ. (nS)
10	5	250	2	CBE	70	1000/600
10	5	250	2	CBE	70	1000/600
10	5	250	2	CBE	70	1000/600
100	2	150	2	CBE	30	380
100	2	150	2	CBE	30	380
100	2	150	2	CBE	30	380
2	5	250	2	CBE	75	600/350
2	5	250	2	CBE	75	600/350
2	5	250	2	CBE	75	600/350
2	5	250	2	CBE	75	600/350
2	5	250	2	CBE	75	600/350
2	5	250	2	CBE	75	600/350
10	10	200*	–	–	26	70
10	10	250*	–	–	–	–

I_C (mA)	V_{CE} (Volts)	F_T min. (MHz)	C_{RE} C_{RB} (pF)	C_{OB} (pF)	P_G Typ. (dB)	N_F (dB)	F (MHz)
1	10	600	0.34	–	–	2.5	100
4	10	800**	0.2**	–	–	3.0**	35
7	10	750**	0.28**	–	–	–	–
1	10	260**	0.95**	–	–	1.7**	1
1	10	400	0.34	–	–	8.5	100
1	10	200**	0.95**	–	–	1.7**	1
1	10	250	0.95**	1.7	–	4.0	100
1	10	400	0.95**	1.7	–	4.0	100
1	10	500	0.95**	–	–	–	–
1	10	720**	0.32	–	–	–	–
3.0	10	600	–	1.7	15	6.0	60
1.5	10	180**	1.6	1.7	15	1.7	1
1.5	10	185**	1.6	–	–	2.0	1
3	10	400	0.3	–	30	3.2	100
–	–	800	0.6	–	20	4.0**	100
–	–	800	0.6	–	20	4.0**	100
2	10	700	0.4	0.22**	10	2.5**	100