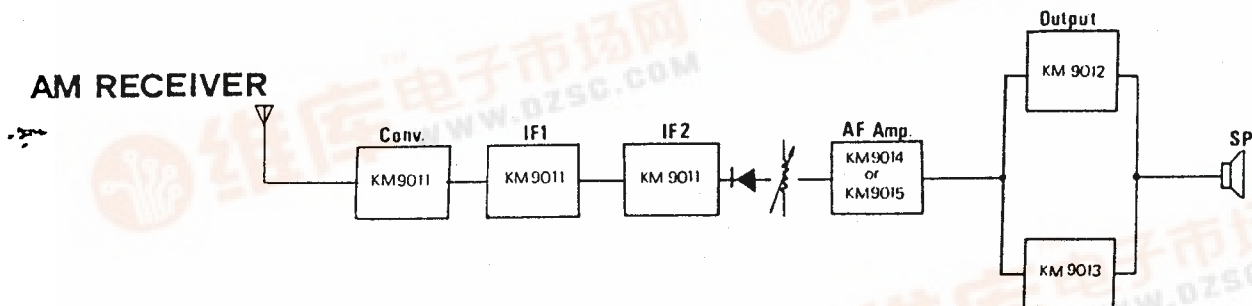
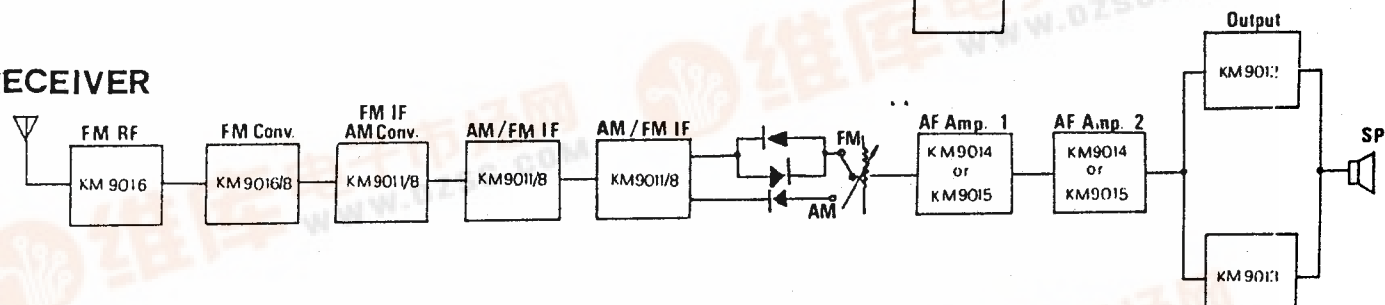


SELECTION GUIDE FOR AM / FM RADIO TRANSISTOR KIT

AM RECEIVER



FM RECEIVER

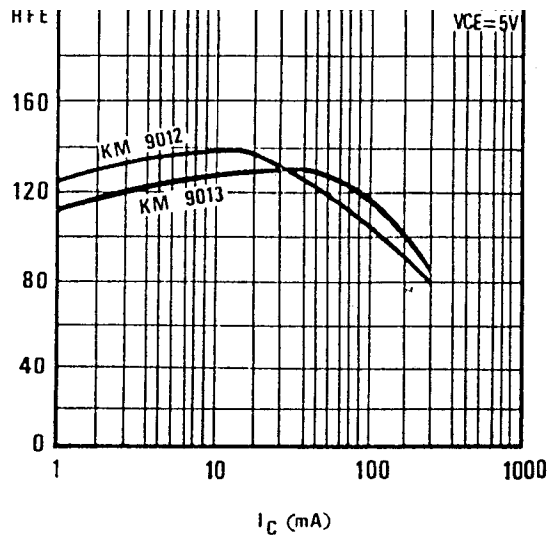


TYPE	POLARITY	APPLICATIONS	CASE
KM 9011	NPN	AM / FM IF , AM CONVERTER	TO-92A  EBC
KM 9012	PNP	AUDIO POWER OUTPUT	
KM 9013	NPN	AUDIO POWER OUTPUT	
KM 9014	NPN	AUDIO DRIVER	
KM 9015	PNP	AUDIO DRIVER	
KM 9016	NPN	FM RF	
KM 9018	NPN	AM / FM IF , FM CONVERTER	

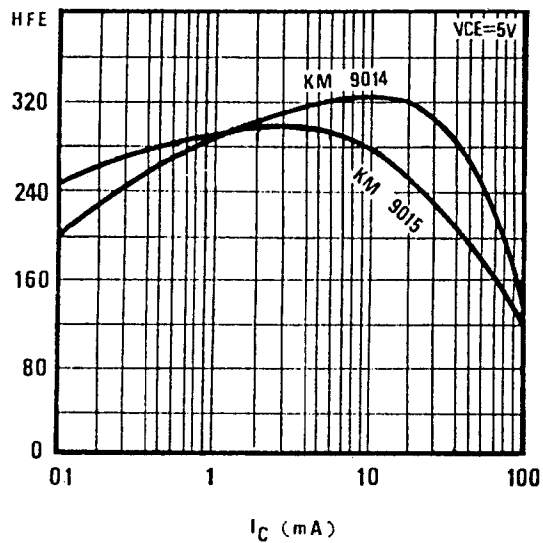
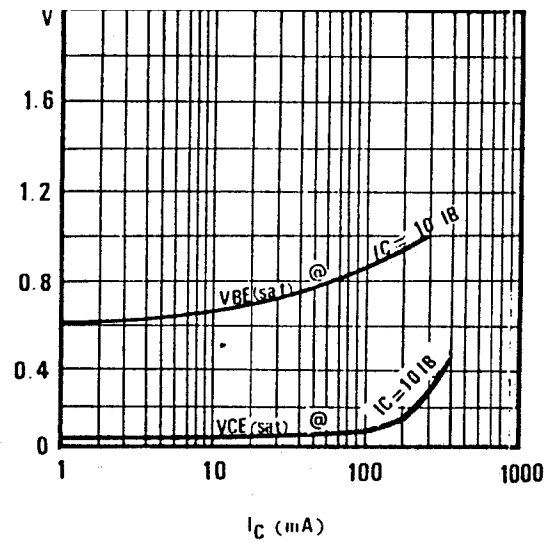


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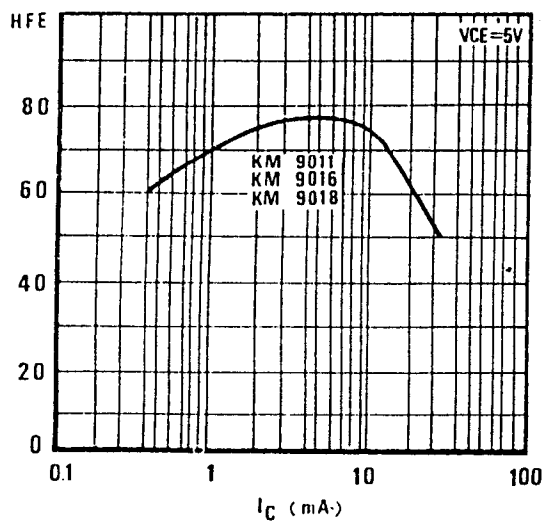
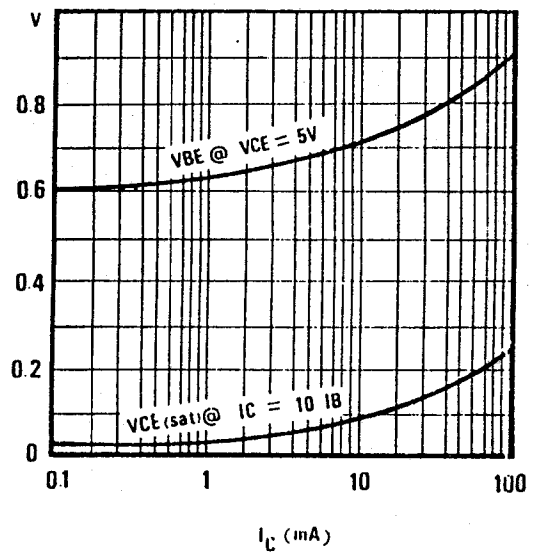
38 Hung To Road, Kwun Tong, Kowloon, Hong Kong. Cable: Microtron, Hong Kong. Telex: 43510 Micro HX.
P.O. Box 9477, Kwun Tong. Tel: 3-430181-6, 3-893363, 3-892423, 3-898221



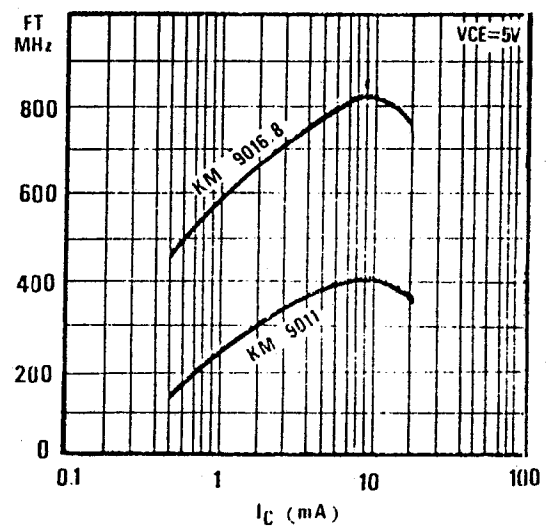
KM 9013



KM 9014
KM 9015



KM 9011
KM 9016
KM 9018



DEVICE SPECIFICATIONS [$T_A = 25^\circ\text{C}$ unless otherwise specified]

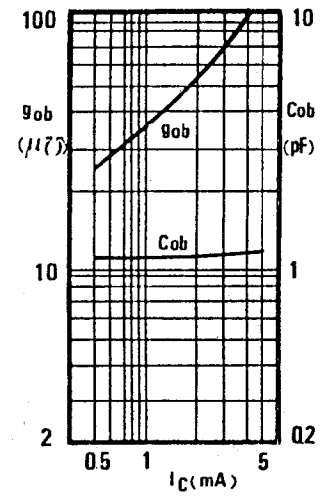
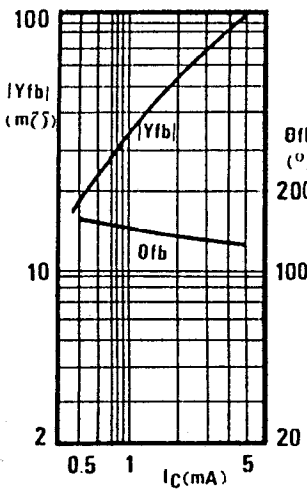
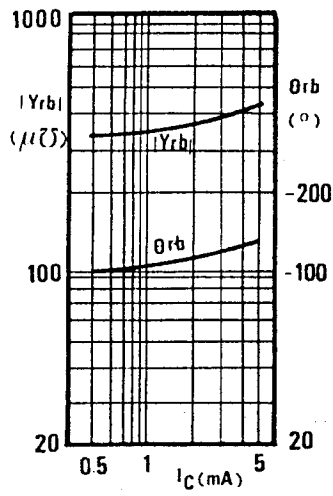
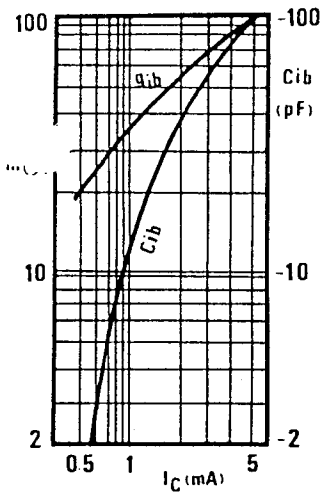
TYPE	MAXIMUM RATINGS				ELECTRICAL CHARACTERISTICS																			
	V _{CB0} (V)	V _{CE0} (V)	V _{EB0} (V)	P _D (mW)	H _{FE}		I _{CB0} (nA)	V _{BE} (V)		I _C (mA)		V _{CE} (V)	V _{CE(sat)} (V)		I _C (mA)		f _T (MHz)	I _C (mA)		V _{CE} (V)	C _{ob} (pF)		C _{crbb} (pSec)	
					min	max		typ	max	typ	max		typ	max	min	typ		typ	max					
KM 9011	25	20	3	300	28	198	50	18	0.67	0.85	1	5	0.08	0.5	10	1	150	220	1	5	19	2.5	10	22
KM 9012	25	20	5	500	64	350	500	18	0.7	0.85	10	1	0.2	0.6	250	25								
KM 9013	25	20	5	500	64	350	500	18	0.7	0.85	10	1	0.2	0.6	250	25								
KM 9014	25	20	5	500	60	1000	50	18	0.63	0.85	1	5	0.07	0.5	10	1	50	140	1	5	27	6	10	
KM 9015	25	20	5	500	60	1000	50	18	0.64	0.85	1	5	0.07	0.5	10	1	50	120	1	5	35	6	10	
KM 9016	25	20	3	300	28	198	50	18	0.72	0.85	1	5	0.14	0.5	10	1	500	800	5	5	11	1.6	10	12
KM 9018	20	15	3	300	28	198	50	18	0.72	0.85	1	5	0.14	0.5	10	1	400	800	5	5	13	1.7	10	18

- $1/ : C_{crbb} @ I_C = 1\text{mA} \quad V_{CE} = 5\text{V} \quad f = 31.8\text{MHz}$
 $2/ : NF @ I_C = 1\text{mA} \quad V_{CE} = 5\text{V} \quad R_G = 500\Omega \quad f = 1\text{MHz}$
 $3/ : NF @ I_C = 0.1\text{mA} \quad V_{CE} = 5\text{V} \quad R_G = 10k\Omega \quad f = 30\text{Hz to } 15\text{KHz}$
 $4/ : NF @ I_C = 1\text{mA} \quad V_{CE} = 5\text{V} \quad R_G = 50\Omega \quad f = 100\text{MHz}$

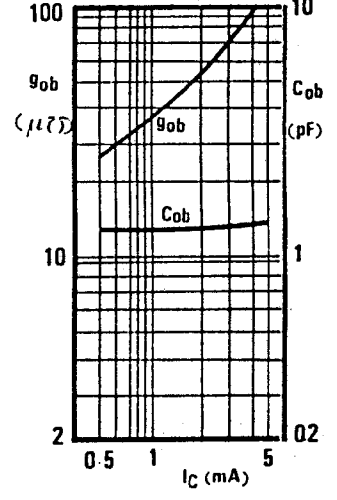
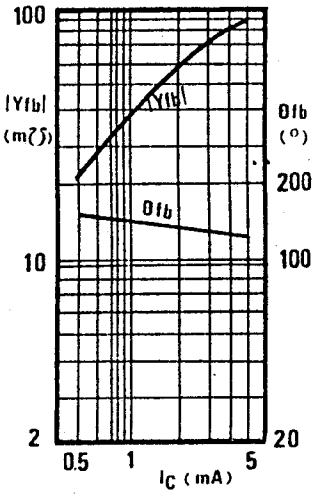
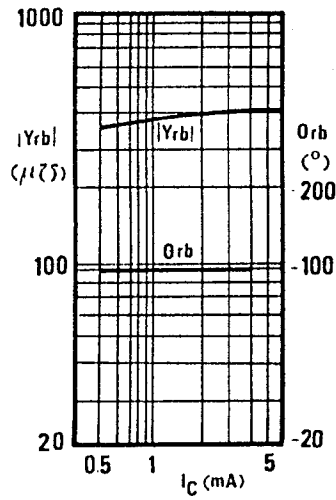
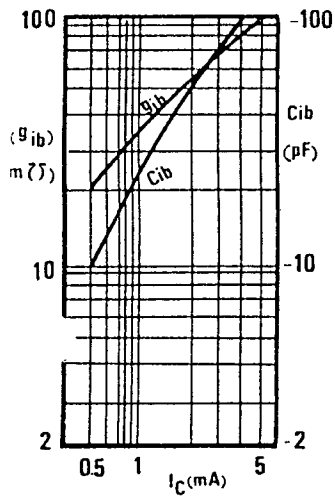
CLASSIFICATION OF HFE GROUPS

TYPE NO.	GROUP		A	B	C	D	E	F	G	H	I	@ IC / VC	
KM 9011 KM 9016 KM 9018						28 - 45	39 - 60	54 - 80	72 - 108	97 - 146	132 - 198	1mA	5V
KM 9014 KM 9015			60 - 155	100 - 300	200 - 600	400 - 1000						1mA	5V
KM 9012 KM 9013						64 - 91	78 - 112	96 - 135	118 - 166	144 - 202	180 - 350	50mA	1V

KM 9016 [COMMON BASE $f = 100\text{MHz}$ $V_{CB} = 5\text{V}$]



KM 9018 [COMMON BASE $f = 100\text{MHz}$ $V_{CB} = 5\text{V}$]



KM 9011 [COMMON EMITTER $f = 10.7\text{MHz}$ $V_{CB} = 5\text{V}$]

