

RF and VHF Power Bipolar Transistors

Transistors for stationary and on-board radio applications

Part №	Frequency range, mHz	P _{OUT} , W	V _{CC} , V	G _{Pmin} , Db	η, %	Package
KT922A	50÷175	5	28	10	55	MT-72h*
KT922Б	50÷175	20	28	7.5	55	
KT922B	50÷175	40	28	6	55	
KT931 A	50÷175	80	28	5.5	50	X-123*
KT971A	50÷175	150	28	5	55	TRB-67*
KT907A	100÷400	9	28	3	40	TO-60*
KT934A	100÷400	3	28	8	50	MT-72h*
KT934Б	100÷400	12	28	6	50	
KT934B	100÷400	25	28	5	50	
KT930A	100÷400	40	28	7	50	X-123*
KT930Б	100÷400	75	28	5.5	50	
KT970A	100÷400	100	28	6	50	TRB-67*
KT985AC	220÷400	125	28	5.5	50	TRB-BAL*
KT909A	100÷500	20	28	3	45	MD-36*
KT909Б	100÷500	40	28	3	45	
KT9105AC	100÷500	100	28	5	50	TRB-BAL*
KT9104A	350÷700	5	28	9	40	MRA-4*
KT9104Б	350÷700	20	28	8.5	50	
KT991AC	350÷700	55	28	7.8	50	KT-44
KT9101AC	350÷700	100	28	5.5	50	KT-44
KT911A	400÷1800	0.8	28	3	25	MT-62*
KT911Б	400÷1000	0.8	28	3	30	
KT962A	400÷1000	10	28	6	36	MT-72h*
KT962Б	400÷1000	20	28	5.5	40	
KT962B	400÷1000	40	28	5	40	
KT976A	400÷1000	60	28	3	45	MT-72h*

Linear transistors for VHF and TV applications

Part №	Frequency range, mHz	P _{OUT(PEP)} , W	G _{Pmin} , Db	M ₃ , Db	V _{CC}		Package
					V _C , V	I _C , A	
KT983A	40÷860	0.5	6	-60	25	0.2	MT-72h*
KT983Б	40÷860	1.5	5.5	-60	25	0.35	
KT983B	40÷860	3.5	5	-60	25	0.8	
KT9116A	170÷230	5	14	-58	28	1.2	TRB-67*
KT9116Б	170÷230	15	10	-55	28	2.6	

* - Modified

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Transistors for mobile communication applications

Part №	Frequency range, mHz	P _{OUT} , W	V _{CC} , V	G _{Pmin} , Db	η, %	Package
KT929A	50÷175	2	8	10	60	MT-72*
KT929A1	50÷175	2	8	9	55	MD-36*
KT920A	50÷175	2	12.6	8.5	60	MT-72h*
KT920B	50÷175	5	12.6	6	60	
KT920B	50÷175	20	12.6	5	60	
KT958A	50÷175	40	12.6	6	50	X-123*
KT925A	100÷320	2	12.6	8	60	MT-72h*
KT925B	100÷320	5	12.6	6	60	
KT925B	100÷320	20	12.6	5	60	
KT960A	100÷400	40	12.6	4	60	X-123*

Pulse transistors for navigation and telemetric applications

Part №	Frequency range, mHz	P _{OUT(pulse)} , W	V _{CC} , V	G _{Pmin} , Db	Pulse		Package
					τ, μsec	Q	
KT984A	720÷820	75	50	7	10	100	MRA-4*
KT984B	720÷820	250	50	6	10	100	
KT9109A	720÷820	500	50	5.5	10	100	MRA-4*

* - Modified

Transistors are supplied by JSC VSP in imported packages

Part №	Frequency range, mHz	P _{OUT} , W	V _{CC} , V	G _{Pmin} , Db	Package*
BM40-12	175	40	12.5	6.0	316-01
2N6369	175	80	28	7.3	316-01
2N6362	400	40	28	7.5	316-01
2N6364	400	75	28	6.0	316-01

* - According MOTOROLA's specification (or SD570-A045 according KYOCERA's specification)

RF and VHF Power Bipolar Transistors

Transistors are supplied by JSC VSP in packages* made by VSP

Part №	Frequency range, mHz	P _{OUT} , W	V _{CC} , V	G _{Pmin} , Db	Package**
2N6081	175	15	12.5	6.3	145A-01
2N5590	175	10	13.6	5.2	145A-01 (09)
2N5641	175	7	28	8.4	145A-01
2N5642	175	20	28	8.2	145A-01
2N5643	175	40	28	7.6	145A-01
2N6080	175	4 (pep)	12.5	12	145A-01
2N5636	400	7.5 (pep)	28	5.7	145A-01
2N5637	400	10 (pep)	28	5	145A-01
2N6202	400	3	28	10	145A-01
2N6203	400	12	28	6.8	145A-01
2N5016	400	15	28	4.8	TO-60 gr
2N3733	400	23***	28	4	TO-60
2N5177	500	25	28	5.0	MD-36
BLX96	860	0.5 (pep)	25	6.0	145A-01

* - TO-60 package has a stud with metric threading

145A-01 package ("helicopter") has a stud with metric threading and cap of pink colour

** - According MOTOROLA's specification (except MD36)

*** - Up to +50 °C at case

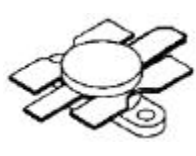
pep - Peak Envelope Power



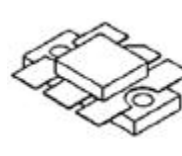
MT-72h
(145A-01)



MD-36



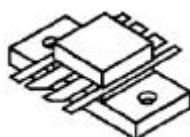
X-123
(316-01)



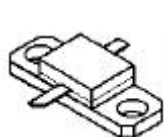
TRB-67



TO-60



TRB-BAL



MRA-4



KT-44



MT-62