



Transistors

ROHM

T-27-01

General Purpose Amplifiers and Switches

Type	Package (Fig. 1)	BV _{CEO} Min.	BV _{CEO} Min.	BV _{EB0} Min.	I _{CB0} Max.	@ V _{CB}	h_{FE} Min. Max.	@ I _C & V _{CE}	V _{CE(sat)} Max.	& V _{BE(sat)} Max.	@ I _C	C _{ob} Max.	f _T Min.	@ I _C	t _{off} Max.	I _C Max.
2N5220	TO-92 (EBC)	20V	15V	3V	100nA	10V	25 30	10mA 600 50mA	10V 10V	0.5V	1.1V 150mA	10 pF	100MHz	20mA		100mA
MPS6512	TO-92 (EBC)	40V	30V	4V	50nA	30V	50 100	2mA 100mA	10V 10V	0.5V	50mA	3.5pF	250MHz	Typ.	NF 2dB	100mA
MPS6513	TO-92 (EBC)	40V	30V	4V	50nA	30V	90 60	2mA 100mA	10V 10V	0.5V	50mA	3.5pF	250MHz	Typ.	NF 2dB	100mA
MPS6514	TO-92 (EBC)	40V	25V	4V	50nA	30V	150 90	2mA 100mA	10V 10V	0.5V	50mA	3.5pF	250MHz	Typ.	NF 2dB	100mA
MPS6515	TO-92 (EBC)	40V	25V	4V	50nA	30V	250 150	2mA 100mA	10V 10V	0.5V	50mA	3.5pF	250MHz	Typ.	NF 2dB	100mA
MPS6520	TO-92 (EBC)	40V	25V	4V	50nA	30V	100 200	2mA 400 2mA	10V 10V	0.5V	50mA	3.5pF	425MHz	Typ.	NF 3dB	100mA
MPS6521	TP-92 (EBC)	40V	25V	4V	50nA	30V	150 300	2mA 600 2mA	10V 10V	0.5V	50mA	3.5pF	425MHz	Typ.	NF 3dB	100mA
MPS6530	TO-92 (EBC)	60V	40V	5V	50nA	40V	30 40	10mA 120 100mA	1V 1V	0.5V	1.0V 100mA	5 pF	390MHz	Typ.		600mA
MPS6531	TP-92 (EBC)	60V	40V	5V	50nA	40V	25 60	10mA 500mA	1V 1V	0.3V	1.0V 100mA	5 pF	390MHz	Typ.		600mA
MPS6532	TO-92 (EBC)	50V	30V	5V	100nA	30V	90 50	10mA 270 100mA	1V 1V	0.5V	1.2V 100mA	5 pF	390MHz	Typ.		600mA

Medium Power Amplifiers

Type	Package (Fig. 1)	BV _{CEO} Min.	BV _{CEO} Min.	BV _{EB0} Min.	I _{CB0} Max.	@ V _{CB}	h_{FE} Min. Max.	@ I _C & V _{CE}	V _{CE(sat)} Max.	& V _{BE(sat)} Max.	@ I _C	C _{ob} Max.	f _T Min.	@ I _C	t _{off} Max.	I _C Max.
RN5814	TO-92 (EBC)	50V	40V	5V	100nA	25V	60 20	2mA 500mA	2V 2V	0.75V	1.2V 500mA	15 pF	100MHz	50mA		750mA
RN5816	TO-92 (EBC)	50V	40V	5V	100nA	25V	100 25	2mA 500mA	2V 2V	0.75V	1.2V 500mA	15 pF	120MHz	50mA		750mA
RN5818	TO-92 (EBC)	50V	40V	5V	100nA	25V	150 25	2mA 500mA	2V 2V	0.75V	1.2V 500mA	15 pF	135MHz	50mA		750mA
MPS6560	TO-92 (EBC)	25V	25V	5V	100nA	20V	35 50	10mA 100mA	1V 1V	0.50V	1.2V 500mA	30 pF	60MHz	10mA		500mA
MPS6561	TO-92 (EBC)	20V	20V	5V	100nA	20V	50 50	10mA 200 350mA	1V 1V	0.5V	1.2V 350mA	30 pF	60MHz	10mA		600mA
MPS-A05	TO-92 (EBC)		60V	4V	100nA	60V	50 50	10mA 100mA	1V 1V	0.25V	100mA		50MHz	100mA		500mA
MPS-A06	TO-92 (EBC)		80V	4V	100nA	80V	50 50	10mA 100mA	1V 1V	0.25V	100mA		50MHz			500mA

Darlington Amplifiers

Type	Package (Fig. 1)	BV _{CEO} Min.	BV _{CEO} Min.	BV _{EB0} Min.	I _{CB0} Max.	@ V _{CB}	h_{FE} Min. Max.	@ I _C & V _{CE}	V _{CE(sat)} Max.	& V _{BE(sat)} Max.	@ I _C	C _{ob} Max.	f _T Min.	@ I _C	t _{off} Max.	I _C Max.
2N5305 RN5305	TO-92 (ECB) (EBC)	25V	25V	12V	100nA	25V	2K 6K	2mA 100mA	5V 5V	1.4V	1.6V 200mA	10 pF	60MHz	2mA		300mA
2N5306 RN5306	TO-92 (ECB) (EBC)	25V	25V	12V	100nA	25V	7K 20K	2mA 100mA	5V 5V	1.4V	1.6V 200mA	10 pF	60MHz	2mA		300mA
2N5307 RN5307	TO-92 (ECB) (EBC)	40V	40V	12V	100nA	40V	2K 8K	2mA 100mA	5V 5V	1.4V	1.6V 200mA	10 pF	60MHz	2mA		300mA
2N5308 RN5308	TO-92 (ECB) (EBC)	40V	40V	12V	100nA	40V	7K 20K	2mA 100mA	5V 5V	1.4V	1.6V 200mA	10 pF	60MHz	2mA		300mA
2N6426	TO-92 (EBC)	40V	40V	12V	50nA	30V	20K 30K 20K	10mA 300K 100mA 200K 500mA	5V 5V 5V	1.2V 1.5V	50mA 500mA	7 pF			NF 10dB	500mA
2N6427	TO-92 (EBC)	40V	40V	12V	50nA	30V	10K 20K 14K	10mA 200K 100mA 140K 500mA	5V 5V 5V	1.2V 1.5V	50mA 500mA	7 pF			NF 10dB	500mA
MPS-A12	TO-92 (EBC)	(CES) 20V		10V	(CES) 100nA	15V	20K	10mA	5V	1.0V	10mA	10 pF				500mA
MPS-A13	TO-92 (EBC)	(CES) 30V		10V	100nA	30V	5K 10K	10mA 100mA	5V 5V	1.5V	100mA	10 pF	125MHz	10mA		500mA
MPS-A14	TO-92 (EBC)	(CES) 30V		10V	100nA	30V	10K 20K	10mA 100mA	5V 5V	1.5V	100mA	10 pF	125MHz	10mA		500mA
MPS-D04	TO-92 (EBC)	25V	—	10V	1.0μA	20V	1K 2K 1K	10mA 100mA 300mA	5V 5V 5V	1.0V	100mA					300mA