



Small Signal Transistors U.S Specifications (Preferred Series) SOT-23 Case, 350mW (Continued on next page)

TYPE NO.	BV _{CB0}	BV _{CEO}	BV _{EBO}	I _{CBO} @ V _{CB}	I _{CEV} @ V _{CE}	h _{FE}		@ V _{CE}	@ I _C	V _{CE (SAT)} @ I _C		C _{ob}	f _T	NF	t _{off}
	(V)	(V)	(V)	(nA)	(V)	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF)	(MHz)	(dB)	(ns)
	MIN	MIN	MIN	MAX						MAX		MAX	MIN	MAX	MAX

General Purpose Amplifiers/Switches

Devices are listed in order of descending breakdown voltage.
NPN

	CMPT8099	80	80	6.0	100	80	100	300	5.0	1.0	0.4	100	6.0	150	-	-
	CMPT2222A	75	40	6.0	10	60	100	300	10	150	1.0	500	8.0	300	4.0	285
E	CMPT2222AE	100	45	6.0	10	60	100	300	10	150	0.5	500	8.0	300	4.0	285
	CMPT3904	60	40	6.0	50*	30	100	300	1.0	10	0.3	50	4.0	300	5.0	250
E	CMPT3904E	60	40	6.0	50*	30	100	300	1.0		0.2	50	4.0	300	4.0	250
	CMPT4401	60	40	6.0	100*	35	100	300	1.0	150	0.75	500	6.5	250	-	255

PNP

	CMPT8599	80	80	5.0	100	80	100	300	5.0	1.0	0.4	100	4.5	150	-	-
	CMPT2907A	60	60	5.0	10	50	100	300	10	150	1.6	500	8.0	200	-	100
E	CMPT2907AE	90	60	5.0	10	50	100	300	10	150	0.7	500	8.0	200	-	100
	CMPT3906	40	40	5.0	50*	30	100	300	1.0	10	0.4	50	4.5	250	4.0	300
E	CMPT3906E	60	40	6.0	50*	30	100	300	1.0	10	0.2	50	4.0	300	4.0	250
	CMPT4403	40	40	5.0	100*	35	100	300	2.0	150	0.75	500	8.5	200	-	255

Saturated Switches

Devices are listed in order of descending f_T.

NPN

	CMPT2369	40	15	4.5	400	20	40	120	1.0	10	0.25	10	4.0	500	-	18
	CMPT3646	40	15	5.0	500**	20	15	-	1.0	300	0.5	300	5.0	350	-	28

PNP

	CMPT3640	12	12	4.0	10**	6.0	30	120	0.3	10	0.6	50	3.5	500	-	35
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Low Noise Amplifiers

Devices are listed in order of ascending NF.

NPN

	CMPT5089	30	25	4.5	50	15	400	1,200	5.0	0.1	0.5	10	4.0	50	2.0	-
	CMPT930	45	45	5.0	10	45	100	300	5.0	0.01	1.0	10	8.0	30	3.0	-
	CMPT992	120	120	5.0	-	-	200	800	6.0	1.0	0.3	10	3.0	50	3.0	-
	CMPT2484	60	60	6.0	10	45	250	-	5.0	1.0	0.35	1.0	6.0	-	3.0	-
	CMPT5088	35	30	4.5	50	20	300	900	5.0	0.1	0.5	10	4.0	50	3.0	-
	CMPT6428	60	50	6.0	10	30	250	650	5.0	0.1	0.6	100	3.0	100	3.0	-
	CMPT6429	55	45	6.0	10	30	500	1,250	5.0	0.1	0.6	100	3.0	100	3.0	-

PNP

	CMPT5087	50	50	3.0	50	35	250	800	5.0	0.1	0.3	10	4.0	40	2.0	-
	CMPT5086	50	50	3.0	50	35	150	500	5.0	0.1	0.3	10	4.0	40	3.0	-

E indicates Enhanced Specification Device

BOLD data indicates Enhanced Specification

CentralTM
Semiconductor Corp.

www.centalsemi.com



Small Signal Transistors U.S Specifications (Preferred Series) SOT-23 Case, 350mW (Continued on next page)

TYPE NO.	BV _{CBO}	BV _{CEO} *BV _{CES}	BV _{EBO}	I _{CBO} @ *I _{CEV} @	V _{CB} V _{CE}	hFE		@ V _{CE}	@ I _C	V _{CE} (SAT)		C _{ob}	f _T	NF	t _{off}
	(V)	(V)	(V)	(nA)	(V)	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF)	(MHz)	(dB)	(ns)
	MIN	MIN	MIN	MAX						MAX		MAX	MIN	MAX	MAX

High Current Devices are listed in order of descending breakdown voltage.

NPN

E ▶ CMPT3019	120	80	7.0	10	90	100	300	10	150	0.5	500	12	100	4.0	-
CMPTA06	80	80	4.0	100	80	100	-	1.0	100	0.25	100	-	100	-	-
E ▶ CMPT491E	80	60	5.0	100	60	200	600	5.0	500	0.2	500	10	150	-	-

PNP

E ▶ CMPT4033	80	80	5.0	50	60	100	300	5.0	100	0.5	500	20	100	-	-
CMPTA56	80	80	4.0	100	80	100	-	1.0	100	0.25	100	-	50	-	-
E ▶ CMPT591E	80	60	5.0	100	60	200	600	5.0	500	0.2	500	10	150	-	-

High Voltage Devices are listed in order of descending breakdown voltage.

NPN

E ▶ CMPTA46	450	450	6.0	100	400	50	200	10	10	0.5	50	7.0	20	-	-
CMPTA44	450	400	6.0	100	400	50	200	10	10	0.75	50	7.0	20	-	-
CMPT6517	350	350	5.0	50	250	30	200	10	30	1.0	50	-	40	-	-
CMPTA42	300	300	6.0	100	200	40	-	10	30	0.5	20	3.0	50	-	-
E ▶ CMPTA42E	350	350	6.0	250	200	50	-	10	30	0.35	50	6.0	100	-	-
CMPT5551	180	160	6.0	50	120	80	250	5.0	10	0.2	50	6.0	100	8.0	-

PNP

E ▶ CMPTA96	450	450	6.0	100	400	50	200	10	10	0.5	50	7.0	20	-	-
CMPTA94	400	400	6.0	100	350	50	200	10	10	0.75	50	7.0	20	-	-
CMPT6520	350	350	5.0	50	250	30	200	10	30	1.0	50	-	40	-	-
CMPTA92	300	300	5.0	250	200	25	-	10	30	0.5	20	6.0	50	-	-
E ▶ CMPTA92E	350	350	6.0	250	200	50	-	10	30	0.35	50	6.0	100	-	-
CMPT5401	160	150	5.0	50	100	60	240	5.0	10	0.5	50	6.0	100	8.0	-

E ▶ Indicates Enhanced Specification Device

BOLD data indicates Enhanced Specification



Small Signal Transistors U.S Specifications (Preferred Series) SOT-23 Case, 350mW

TYPE NO.	BV _{CB0}	BV _{CEO}	BV _{EBO}	I _{CBO} @	V _{CB}	h _{FE}		@ V _{CE}	@ I _C	V _{CE} (SAT)		C _{ob}	f _T	NF	t _{off}
	(V)	*BV _{CES}	(V)	I _{CEV} @	V _{CE}	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF)	(MHz)	(dB)	(ns)
	MIN	MIN	MIN	MAX						MAX	MAX	MAX	MIN	MAX	MAX

RF Oscillator

Devices are listed in order of descending f_T.

NPN															
CMPT5179	20	12	2.5	20	15	25	-	1.0	3.0	0.4	10	1.0	900	4.5	-
CMPTH10	30	25	3.0	100	25	60	-	10	4.0	0.5	4.0	0.7	650	-	-
CMPT918	30	15	3.0	10	15	20	-	1.0	3.0	0.4	10	1.7	600	6.0	-

PNP

CMPTH81	20	20	3.0	100	10	60	-	10	5.0	0.5	5.0	0.85	600	-	-
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Darlington

Devices are listed in order of descending h_{FE}.

NPN															
CMPT6427	40	40	12	50	30	20,000	200,000	5.0	100	1.5	500	7.0	130	10	-
CMPTA14	30	30*	10	100	30	20,000	-	5.0	100	1.5	100	-	125	-	-
E > CMPTA14E	40	40*	10	100	40	40,000	-	5.0	100	1.0	100	-	125	-	-
CMPTA13	30	30*	10	100	30	10,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA27	60	60*	10	100	50	10,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA29	100	100*	12	100	80	10,000	-	5.0	100	1.5	100	8.0	125	-	-

PNP

CMPTA64	30	30*	10	100	30	20,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA63	30	30*	10	100	30	10,000	-	5.0	100	1.5	100	-	125	-	-
CMPTA77	60	60*	10	100	50	10,000	-	5.0	100	1.5	100	-	125	-	-

Chopper Transistor

PNP															
CMPT404A	40	35	25	100	10	100	400	0.15	12	0.20	24	40†	-	-	-

E > Indicates Enhanced Specification Device

BOLD data indicates Enhanced Specification

Shaded areas indicate Darlington.



Transistors

SOT-23 Case Proelectron Series 350mW

TYPE NO.	DESCRIPTION	BV _{CBO}	BV _{CEO}	BV _{EBO}	I _{CB0} @ V _{CB}		h _{FE} @ V _{CE} @ I _C		V _{CE(SAT)} @ I _C	C _{ob} (pF) TYP	f _T (MHz) TYP	NF (dB) MAX	t _{off} (ns) MAX	MARK. CODE	SIMILAR LEADED DEVICES		
		(V) MIN	(V) MIN	(V) MIN	(nA) MAX	(V) MAX	MIN	MAX	(V) MAX		(mA) MAX						
BC807	PNP High Current	50*	45	5.0	100	20	100	600	1.0	100	0.70	500	8.0	100	-	-	BC327
BC807.16	PNP High Current	50*	45	5.0	100	20	100	250	1.0	100	0.70	500	8.0	100	-	-	BC327.16
BC807.25	PNP High Current	50*	45	5.0	100	20	160	400	1.0	100	0.70	500	8.0	100	-	-	BC327.25
BC807.40	PNP High Current	50*	45	5.0	100	20	250	600	1.0	100	0.70	500	8.0	100	-	-	BC327.40
BC808	PNP High Current	30*	25	5.0	100	20	100	600	1.0	100	0.70	500	8.0	100	-	-	BC328
BC808.16	PNP High Current	30*	25	5.0	100	20	100	250	1.0	100	0.70	500	8.0	100	-	-	BC328.16
BC808.25	PNP High Current	30*	25	5.0	100	20	160	400	1.0	100	0.70	500	8.0	100	-	-	BC328.25
BC808.40	PNP High Current	30*	25	5.0	100	20	250	600	1.0	100	0.70	500	8.0	100	-	-	BC328.40
BC817	NPN High Current	50*	45	5.0	100	20	100	600	1.0	100	0.70	500	5.0	200	-	-	BC337
BC817.16	NPN High Current	50*	45	5.0	100	20	100	250	1.0	100	0.70	500	5.0	200	-	-	BC337.16
BC817.25	NPN High Current	50*	45	5.0	100	20	160	400	1.0	100	0.70	500	5.0	200	-	-	BC337.25
BC817.40	NPN High Current	50*	45	5.0	100	20	250	600	1.0	100	0.70	500	5.0	200	-	-	BC337.40
BC818	NPN High Current	30*	25	5.0	100	20	100	600	1.0	100	0.70	500	5.0	200	-	-	BC338
BC818.16	NPN High Current	30*	25	5.0	100	20	100	250	1.0	100	0.70	500	5.0	200	-	-	BC338.16
BC818.25	NPN High Current	30*	25	5.0	100	20	160	400	1.0	100	0.70	500	5.0	200	-	-	BC338.25
BC818.40	NPN High Current	30*	25	5.0	100	20	250	600	1.0	100	0.70	500	5.0	200	-	-	BC338.40
BC846	NPN Low Noise	80	65	6.0	15	30	110	450	5.0	2.0	0.60	100	2.5	300	10	-	BC546
BC846A	NPN Low Noise	80	65	6.0	15	30	110	220	5.0	2.0	0.60	100	2.5	300	10	-	BC546A
BC846B	NPN Low Noise	80	65	6.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	10	-	BC546B
BC847	NPN Low Noise	50	45	6.0	15	30	110	800	5.0	2.0	0.60	100	2.5	300	10	-	BC547
BC847A	NPN Low Noise	50	45	6.0	15	30	110	220	5.0	2.0	0.60	100	2.5	300	10	-	BC547A
BC847B	NPN Low Noise	50	45	6.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	10	-	BC547B
BC847C	NPN Low Noise	50	45	6.0	15	30	420	800	5.0	2.0	0.60	100	2.5	300	10	-	BC547C
BC848	NPN Low Noise	30	30	5.0	15	30	110	800	5.0	2.0	0.60	100	2.5	300	10	-	BC548
BC848A	NPN Low Noise	30	30	5.0	15	30	110	220	5.0	2.0	0.60	100	2.5	300	10	-	BC548A
BC848B	NPN Low Noise	30	30	5.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	10	-	BC548B
BC848C	NPN Low Noise	30	30	5.0	15	30	420	800	5.0	2.0	0.60	100	2.5	300	10	-	BC548C
BC849	NPN Low Noise	30	30	5.0	15	30	200	800	5.0	2.0	0.60	100	2.5	300	4.0	-	BC549
BC849B	NPN Low Noise	30	30	5.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	4.0	-	BC549B
BC849C	NPN Low Noise	30	30	5.0	15	30	420	800	5.0	2.0	0.60	100	2.5	300	4.0	-	BC549C
BC850	NPN Low Noise	50	45	5.0	15	30	200	800	5.0	2.0	0.60	100	2.5	300	3.0	-	BC550
BC850B	NPN Low Noise	50	45	5.0	15	30	200	450	5.0	2.0	0.60	100	2.5	300	3.0	-	BC550B
BC850C	NPN Low Noise	50	45	5.0	15	30	420	800	5.0	2.0	0.60	100	2.5	300	3.0	-	BC550C
BC856	PNP Low Noise	80	65	5.0	15	30	75	800	5.0	2.0	0.65	100	4.5	150	10	-	BC556
BC856A	PNP Low Noise	80	65	5.0	15	30	125	250	5.0	2.0	0.65	100	4.5	150	10	-	BC556A
BC856B	PNP Low Noise	80	65	5.0	15	30	220	475	5.0	2.0	0.65	100	4.5	150	10	-	BC556B
BC857	PNP Low Noise	50	45	5.0	15	30	75	800	5.0	2.0	0.65	100	4.5	150	10	-	BC557
BC857A	PNP Low Noise	50	45	5.0	15	30	125	250	5.0	2.0	0.65	100	4.5	150	10	-	BC557A
BC857B	PNP Low Noise	50	45	5.0	15	30	220	475	5.0	2.0	0.65	100	4.5	150	10	-	BC557B
BC857C	PNP Low Noise	50	45	5.0	15	30	420	800	5.0	2.0	0.65	100	4.5	150	10	-	BC557C
BC858	PNP Low Noise	30	30	5.0	15	30	75	800	5.0	2.0	0.65	100	4.5	150	10	-	BC558
BC858A	PNP Low Noise	30	30	5.0	15	30	125	250	5.0	2.0	0.65	100	4.5	150	10	-	BC558A
BC858B	PNP Low Noise	30	30	5.0	15	30	220	475	5.0	2.0	0.65	100	4.5	150	10	-	BC558B
BC858C	PNP Low Noise	30	30	5.0	15	30	420	800	5.0	2.0	0.65	100	4.5	150	10	-	BC558C
BC859	PNP Low Noise	30	30	5.0	15	30	125	800	5.0	2.0	0.65	100	4.5	150	4.0	-	BC559
BC859A	PNP Low Noise	30	30	5.0	15	30	125	250	5.0	2.0	0.65	100	4.5	150	4.0	-	BC559A
BC859B	PNP Low Noise	30	30	5.0	15	30	220	475	5.0	2.0	0.65	100	4.5	150	4.0	-	BC559B
BC859C	PNP Low Noise	30	30	5.0	15	30	420	800	5.0	2.0	0.65	100	4.5	150	4.0	-	BC559C
BC860	PNP Low Noise	50	45	5.0	15	30	125	800	5.0	2.0	0.65	100	4.5	150	3.0	-	BC560
BC860A	PNP Low Noise	50	45	5.0	15	30	125	250	5.0	2.0	0.65	100	4.5	150	3.0	-	BC560A
BC860B	PNP Low Noise	50	45	5.0	15	30	220	475	5.0	2.0	0.65	100	4.5	150	3.0	-	BC560B
BC860C	PNP Low Noise	50	45	5.0	15	30	420	800	5.0	2.0	0.65	100	4.5	150	3.0	-	BC560C
BCF29	PNP Low Noise	32	32	5.0	100	32	120	260	5.0	2.0	0.30	10	4.5	150	4.0	-	C7
BCF30	PNP Low Noise	32	32	5.0	100	32	215	500	5.0	2.0	0.30	10	4.5	150	4.0	-	C8
BCF32	NPN Low Noise	32	32	5.0	100	32	200	450	5.0	2.0	0.25	10	2.5	300	4.0	-	D7
BCF33	NPN Low Noise	32	32	5.0	100	32	420	800	5.0	2.0	0.25	10	2.5	300	4.0	-	D8
BCF70	PNP Low Noise	50	45	5.0	100	20	215	500	5.0	2.0	0.30	10	4.5	150	4.0	-	H7
BCF81	NPN Low Noise	50	45	5.0	100	20	420	800	5.0	2.0	0.25	10	2.5	300	4.0	-	K9
BCV26	PNP Darlington	40	30	10	100	30	20000	-	5.0	100	1.0	100	3.5	220	-	-	FD
BCV27	NPN Darlington	40	30	10	100	30	20000	-	5.0	100	1.0	100	3.5	220	-	-	FF
BCV46	PNP Darlington	80	60	10	100	30	10000	-	5.0	100	1.0	100	3.5	220	-	-	FE
BCV47	NPN Darlington	80	60	10	100	30	10000	-	5.0	100	1.0	100	3.5	220	-	-	FG
BCV71	NPN Low Noise	80	60	5.0	100	20	110	220	5.0	2.0	0.25	10	2.5	300	10	-	K7
BCV72	NPN Low Noise	80	60	5.0	100	20	200	450	5.0	2.0	0.25	10	2.5	300	10	-	K8
BCW29	PNP Low Noise	32	32	5.0	100	32	120	260	5.0	2.0	0.30	10	4.5	150	10	-	C1
BCW30	PNP Low Noise	32	32	5.0	100	32	215	500	5.0	2.0	0.30	10	4.5	150	10	-	C2
BCW31	NPN Low Noise	32	32	5.0	100	32	110	220	5.0	2.0	0.25	10	2.5	300	10	-	D1
BCW32	NPN Low Noise	32	32	5.0	100	32	200	450	5.0	2.0	0.25	10	2.5	300	10	-	D2
BCW33	NPN Low Noise	32	32	5.0	100	32	420	800	5.0	2.0	0.25	10	2.5	300	10	-	D3

*BV_{CEs}

Shaded areas indicate Darlington.



Transistors

SOT-23 Case Proelectron Series 350mW (Continued)

TYPE NO.	DESCRIPTION	BV _{CBO}	BV _{CEO}	BV _{EBO}	I _{CBO} @ V _{CB}		h _{FE}		@ V _{CE}		I _C		V _{CE(SAT)} @I _C	C _{ob}	f _T	NF	t _{off}	MARK. CODE	SIMILAR LEADED DEVICES
		(V) MIN	(V) MIN	(V) MIN	(nA) MAX	(V) MAX	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF) TYP	(MHz) TYP	(dB) MAX	(ns) MAX			
BCW60	NPN Low Noise	32*	32	5.0	20*	32	120	630	5.0	2.0	0.55	50	2.5	250	6.0	-	-	-	-
BCW60A	NPN Low Noise	32*	32	5.0	20*	32	120	220	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AA	-
BCW60B	NPN Low Noise	32*	32	5.0	20*	32	180	310	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AB	-
BCW60C	NPN Low Noise	32*	32	5.0	20*	32	250	460	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AC	-
BCW60D	NPN Low Noise	32*	32	5.0	20*	32	380	630	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AD	-
BCW61	PNP Low Noise	32*	32	5.0	20*	32	120	630	5.0	2.0	0.55	50	4.5	180	6.0	-	-	-	-
BCW61A	PNP Low Noise	32*	32	5.0	20*	32	120	220	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BA	-
BCW61B	PNP Low Noise	32*	32	5.0	20*	32	180	310	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BB	-
BCW61C	PNP Low Noise	32*	32	5.0	20*	32	250	460	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BC	-
BCW61D	PNP Low Noise	32*	32	5.0	20*	32	380	630	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BD	-
BCW65	NPN High Current	60	32	5.0	20	32	100	630	1.0	100	0.70	500	6.0	170	-	-	-	-	-
BCW65A	NPN High Current	60	32	5.0	20	32	100	250	1.0	100	0.70	500	6.0	170	-	-	-	EA	-
BCW65B	NPN High Current	60	32	5.0	20	32	160	400	1.0	100	0.70	500	6.0	170	-	-	-	EB	-
BCW65C	NPN High Current	60	32	5.0	20	32	250	630	1.0	100	0.70	500	6.0	170	-	-	-	EC	-
BCW66	NPN High Current	75	45	5.0	20	45	100	630	1.0	100	0.70	500	6.0	170	-	-	-	-	-
BCW66F	NPN High Current	75	45	5.0	20	45	100	250	1.0	100	0.70	500	6.0	170	-	-	-	EF	-
BCW66G	NPN High Current	75	45	5.0	20	45	160	400	1.0	100	0.70	500	6.0	170	-	-	-	EG	-
BCW66H	NPN High Current	75	45	5.0	20	45	250	630	1.0	100	0.70	500	6.0	170	-	-	-	EH	-
BCW67	PNP High Current	45	32	5.0	20	32	100	630	1.0	100	0.70	500	6.0	200	-	-	-	-	-
BCW67A	PNP High Current	45	32	5.0	20	32	100	250	1.0	100	0.70	500	6.0	200	-	-	-	DA	-
BCW67B	PNP High Current	45	32	5.0	20	32	160	400	1.0	100	0.70	500	6.0	200	-	-	-	DB	-
BCW67C	PNP High Current	45	32	5.0	20	32	250	630	1.0	100	0.70	500	6.0	200	-	-	-	DC	-
BCW68	PNP High Current	60	45	5.0	20	45	100	630	1.0	100	0.70	500	6.0	200	-	-	-	-	-
BCW68F	PNP High Current	60	45	5.0	20	45	100	250	1.0	100	0.70	500	6.0	200	-	-	-	DF	-
BCW68G	PNP High Current	60	45	5.0	20	45	160	400	1.0	100	0.70	500	6.0	200	-	-	-	DG	-
BCW68H	PNP High Current	60	45	5.0	20	45	250	630	1.0	100	0.70	500	6.0	200	-	-	-	DH	-
BCW69	PNP Low Noise	50	45	5.0	100	20	120	260	5.0	2.0	0.30	10	4.5	150	10	-	-	H1	-
BCW70	PNP Low Noise	50	45	5.0	100	20	215	500	5.0	2.0	0.30	10	4.5	150	10	-	-	H2	-
BCW71	NPN Low Noise	50	45	5.0	100	20	110	220	5.0	2.0	0.25	10	2.5	300	10	-	-	K1	-
BCW72	NPN Low Noise	50	45	5.0	100	20	200	450	5.0	2.0	0.25	10	2.5	300	10	-	-	K2	-
BCW81	NPN Low Noise	50	45	5.0	100	20	420	800	5.0	2.0	0.25	10	2.5	300	10	-	-	K3	-
BCW89	PNP Low Noise	80	60	5.0	100	20	120	260	5.0	2.0	0.30	10	4.5	150	10	-	-	H3	-
BCX17	PNP High Current	50*	45	5.0	100	20	100	600	1.0	100	0.62	500	8.0	100	-	-	-	T1	-
BCX18	PNP High Current	30*	25	5.0	100	20	100	600	1.0	100	0.62	500	8.0	100	-	-	-	T2	-
BCX19	NPN High Current	50*	45	5.0	100	20	100	600	1.0	100	0.62	500	5.0	200	-	-	-	U1	-
BCX20	NPN High Current	30*	25	5.0	100	20	100	600	1.0	100	0.62	500	5.0	200	-	-	-	U2	-
BCX70	NPN Low Noise	45*	45	5.0	20*	45	120	630	5.0	2.0	0.55	50	2.5	250	6.0	-	-	-	-
BCX70G	NPN Low Noise	45*	45	5.0	20*	45	120	220	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AG	-
BCX70H	NPN Low Noise	45*	45	5.0	20*	45	180	310	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AH	-
BCX70J	NPN Low Noise	45*	45	5.0	20*	45	250	460	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AJ	-
BCX70K	NPN Low Noise	45*	45	5.0	20*	45	380	630	5.0	2.0	0.55	50	2.5	250	6.0	-	-	AK	-
BCX71	PNP Low Noise	45*	45	5.0	20*	45	120	630	5.0	2.0	0.55	50	4.5	180	6.0	-	-	-	-
BCX71G	PNP Low Noise	45*	45	5.0	20*	45	120	220	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BG	-
BCX71H	PNP Low Noise	45*	45	5.0	20*	45	180	310	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BH	-
BCX71J	PNP Low Noise	45*	45	5.0	20*	45	250	460	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BJ	-
BCX71K	PNP Low Noise	45*	45	5.0	20*	45	380	630	5.0	2.0	0.55	50	4.5	180	6.0	-	-	BK	-
BSR13	NPN AMPL/Switch	60	30	5.0	30	50	100	300	10	150	1.60	500	80*	250*	-	285	-	U7	2N2222A
BSR14	NPN AMPL/Switch	75	40	6.0	10	60	100	300	10	150	1.00	500	80*	300*	-	285	-	U8	2N2222A
BSR15	PNP AMPL/Switch	60	40	5.0	20	50	100	300	10	150	1.60	500	80*	200*	-	100	-	T7	2N2907A
BSR16	PNP AMPL/Switch	60	60	5.0	10	50	100	300	10	150	1.60	500	80*	200*	-	100	-	T8	2N2907A
BSR17	NPN AMPL/Switch	60	40	6.0	50†	30	50	150	1.0	10	0.30	50	40*	250*	-	225	-	U9	-
BSR17A	NPN AMPL/Switch	60	40	6.0	50†	30	100	300	1.0	10	0.30	50	40*	300*	-	250	-	U92	-
BSV52	NPN Sat Switch	20	12	5.0	100	10	40	120	1.0	10	0.40	50	40*	500	-	18	-	B2	2N2369A

*BV_{CES}

†ICES
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*MAX *MIN