

Low VCE(sat) Bipolar Transistors

A broad portfolio for automotive and general-purpose applications



PANJIT offers general-purpose and low VCE(sat) bipolar transistors in leaded SMD, medium-power clip-bond and ultra-small leadless packages for a broad range of applications.

Key Features

Broad package selection

Leaded SMD, clip-bond and leadless

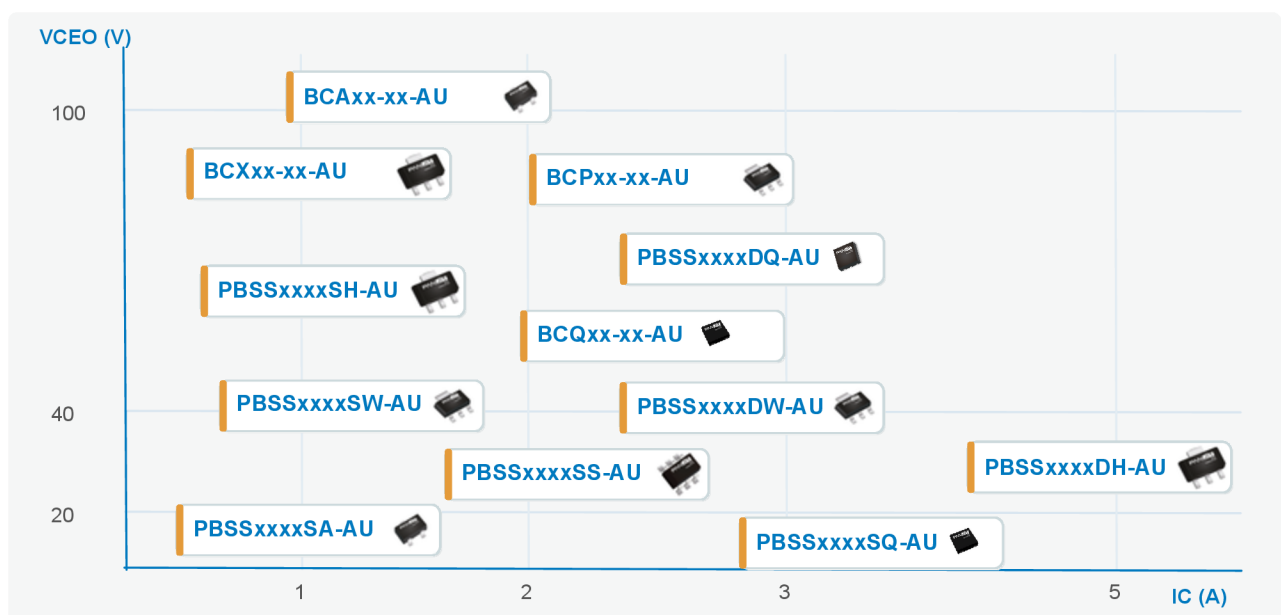
Automotive quality

AEC-Q101 qualified, supported by high-volume production

Target Applications

- Load and power-path switching
- Battery charging and management
- Relay, solenoid and buzzer drivers
- LDO and linear regulators
- LED drivers
- DC motor and fan drivers

Product Portfolio



➤ NPN Product Lineup

Polarity	V_{CEO} (V)	I_C (A)	h_{FE} Min./Typ.	$V_{CE(sat)}$ @ $I_C=\pm 500mA$ $I_B=\pm 50mA$ Typ. (mV)	SOT-23	SOT-23 6L-1	SOT-223	DFN2020B-3L	DFN2020-6L (Dual)	SOT-89
NPN	20	3	300/500	50	PBSS4320SA-AU*	PBSS4320SS-AU*	PBSS4320SW-AU*	PBSS4320SQ-AU*		PBSS4320SH-AU*
NPN	20	5	300/980	40			PBSS4520SW-AU	PBSS4520SQ-AU*		PBSS4520SH-AU*
NPN	40	1	250/600	70	PBSS4140SA-AU		PBSS4140SW-AU	PBSS4140SQ-AU*	PBSS4140DQ-AU*	PBSS4140SH-AU
NPN	40	2	250/600	70	PBSS4240SA-AU*	PBSS4240SS-AU*	PBSS4240SW-AU*	PBSS4240SQ-AU*	PBSS4240DQNP-AU*	PBSS4240SH-AU*
NPN	50	2	300/500	50	PBSS4250SA-AU	PBSS4250SS-AU	PBSS4250DW-AU			PBSS4250DH-AU*
NPN	50	3	300/450	60	PBSS4350SA-AU	PBSS4350SS-AU	PBSS4350SW-AU	PBSS4350SQ-AU*		PBSS4350SH-AU*
NPN	60	1	250/600	70	PBSS4160SA-AU*	PBSS4160SS-AU*			PBSS4160DQ-AU*	
NPN	20	2	160/250	60	BCA68-25-AU		BCP68-25-AU	BCQ68-25-AU*	PBSS5220DDQ-AU*	BCX68-25-AU*
NPN	60	1	100/140	110	BCA55-16-AU		BCP55-16-AU	BCQ55-16-AU*		BCX55-16-AU*
NPN	80	1	63/140	110	BCA56-AU		BCP56-AU	BCQ56-AU*		BCX56-AU*
NPN	100	1	100/200	150			BCP56-16-AU			BCX56-16-AU
NPN	100	1	100/200	120	PBHV8110DA-AU		PBHV8110DW-AU*			PBHV8110DH-AU
NPN	100	2	100/200	50		PBHV8210SS-AU*	PBHV8210SW-AU*	PBHV8210SQ-AU*		PBHV8210SH-AU*

➤ PNP Product Lineup

Polarity	V_{CEO} (V)	I_C (A)	h_{FE} Min./Typ.	$V_{CE(sat)}$ @ $I_C=\pm 500mA$ $I_B=\pm 50mA$ Typ. (mV)	SOT-23	SOT-23 6L-1	SOT-223	DFN2020B-3L	DFN2020-6L (Dual)	SOT-89
PNP	-20	-3	200/390	-50	PBSS5320SA-AU*	PBSS5320SS-AU*	PBSS5320SW-AU*	PBSS5320SQ-AU*		PBSS5320SH-AU*
PNP	-25	-5	300/400	-40			PBSS5525SW-AU	PBSS5525SQ-AU*		PBSS5525SH-AU*
PNP	-40	-1	250/400	-90	PBSS5140SA-AU		PBSS5140SW-AU	PBSS5140SQ-AU*	PBSS5140DQ-AU*	PBSS5140SH-AU*
PNP	-40	-2	260/300	-70	PBSS5240SA-AU	PBSS5240SS-AU	PBSS5240SW-AU	PBSS5240SQ-AU*		PBSS5240SH-AU*
PNP	-40	-5.5	250/350	-80			PBSS5540SW-AU*			PBSS5540SH-AU*
PNP	-50	-2	200/390	-50	PBSS5250SA-AU	PBSS5250SS-AU	PBSS5250SW-AU			PBSS5250SH-AU*
PNP	-50	-3	200/300	-50		PBSS5350SS-AU	PBSS5350SW-AU	PBSS5350SQ-AU*		PBSS5350SH-AU*
PNP	-60	-1	250/400	-90	PBSS5160SA-AU*				PBSS5160DQ-AU*	
PNP	-20	-2	160/250	-80	BCA69-25-AU		BCP69-25-AU	BCQ69-25-AU*		BCX69-25-AU*
PNP	-60	-1	100/150	-130	BCA52-16-AU		BCP52-16-AU	BCQ52-16-AU*		BCX52-16-AU*
PNP	-80	-1	63/150	-130	BCA53-AU		BCP53-AU	BCQ53-AU*		BCX53-AU*
PNP	-100	-1	100/200	-260			BCP53-16-AU			BCX53-16-AU
PNP	-100	-1	100/200	-260	PBHV9110DA-AU		PBHV9110DW-AU*			PBHV9110DH-AU
PNP	-100	-2	100/200	-100		PBHV9210SS-AU*	PBHV9210SW-AU*	PBHV9210SQ-AU*		PBHV9210SH-AU*

*Under development