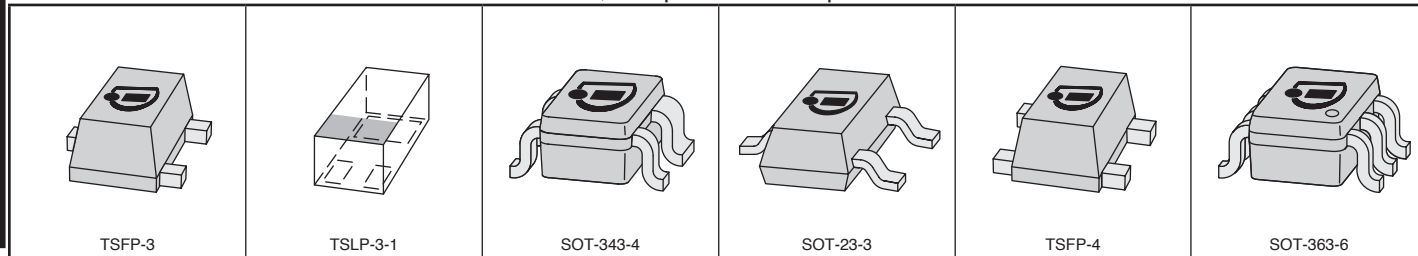


INFINEON Transistors

RoHS Compliant This product is RoHS compliant.



Transistors



RF BIPOLAR TRANSISTORS

The Infineon RF Bipolar Transistors in standard SOT, flatlead TSFP and new leadless ultra miniature TSLP packages are excellent choice for a wide range of RF and Wireless applications.

Silicon RF Bipolar Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Polarity Type	V _{CEO} (max)	I _C (max)	P _{tot} (max)	f _T		NF (typ.)	Price Each			
							(typ.)	@ I _C		1	10	100	500
726-BFR340FE6327	BFR340FE6327XT	TSFP-3	NPN	6V	20mA	75mW	14.0GHz	6mA	0.9dB	.31	.29	.28	.26
726-BFR340L3E6327	BFR340L3E6327XT	TSLP-3-1	NPN	6V	10mA	60mW	14.0GHz	6mA	1.15dB	.40	.38	.37	.34
726-BFR360FE6327	BFR360FE6327XT	TSFP-3	NPN	6V	35mA	210mW	14.0GHz	15mA	1.0dB	.32	.30	.29	.27
726-BFR360L3E6765	BFR360L3E6765XT	TSLP-3-1	NPN	6V	35mA	210mW	14.0GHz	15mA	1.0dB	.29	.25	.20	.17
726-BFR380FE6327	BFR380FE6327XT	TSFP-3	NPN	6V	80mA	380mW	14.0GHz	40mA	1.1dB	.34	.32	.31	.29
726-BFR380L3E6327	BFR380L3E6327XT	TSLP-3-1	NPN	6V	80mA	380mW	14.0GHz	40mA	1.1dB	.34	.32	.31	.29
726-BFP460E6327	BFP460E6327XT	SOT-343-4	NPN	12V	50mA	200mW	22.0GHz	30mA	1.1dB	.46	.38	.335	.249
726-BFP460H6327	BFP460H6327XT	SOT-343-4	NPN	4.5V	70mA	230mW	22.0GHz	30mA	1.1dB	.18	.16	.146	.135
726-BFR92PE6327	BFR92PE6327XT	SOT-23-3	NPN	15V	30mA	280mW	5.0GHz	15mA	2.9dB	.46	.36	.25	.173

Silicon Germanium RF Bipolar Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Polarity Type	V _{CEO}	I _C	P _{tot}	f _T		NF	Price Each			
							(typ.)	@ I _C		1	10	100	500
726-BFP620FE7764	BFP620FE7764XT	TSFP-4	NPN	2.3V	80mA	185mW	65.0GHz	50mA	0.7dB	1.45	1.14	.975	.806
726-BFP640FE6327	BFP640FE6327XT	TSFP-4	NPN	4V	50mA	200mW	40.0GHz	30mA	0.65dB	1.14	1.02	.812	.723
726-BFP640H6327	BFP640H6327XT	SOT-343-4	NPN	4V	50mA	200mW	40.0GHz	30mA	0.65dB	.53	.47	.442	.422
726-BFP650E6327	BFP650E6327XT	TSFP-4	NPN	4V	150mA	500mW	37.0GHz	80mA	0.8dB	1.22	1.08	.864	.672
726-BFP650H6327	BFP650H6327XT	SOT-343-4	NPN	4V	150mA	500mW	37.0GHz	80mA	0.8dB	.88	.83	.70	.61
726-BFP740E6327	BFP740E6327XT	SOT-343-4	NPN	4V	30mA	160mW	42.0GHz	25mA	0.5dB	1.30	1.10	.923	.718
726-BFP740FE6327	BFP740FE6327XT	TSFP-4	NPN	4V	30mA	160mW	42.0GHz	25mA	0.5dB	1.30	1.03	.883	.718
726-BFP740H6327	BFP740H6327XT	SOT-343-4	NPN	4V	30mA	160mW	42.0GHz	25mA	0.5dB	.79	.71	.65	.589

SIEGET@25 Line - Silicon RF Bipolar Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Polarity Type	V _{CEO} (max)	I _C (max)	P _{tot} (max)	f _T		NF (typ.)	Price Each			
							(typ.)	@ I _C		1	10	100	500
726-BFP405E6327	BFP405E6327XT	SOT-343-4	NPN	4.5V	12mA	55mW	25.0GHz	10mA	1.25dB	.56	.50	.439	.326
726-BFP405FE6327	BFP405FE6327XT	TSFP-4	NPN	4.5V	12mA	55mW	25.0GHz	10mA	1.25dB	.72	.57	.444	.344
726-BFP420E6327	BFP420E6327XT	SOT-343-4	NPN	4.5V	35mA	160mW	25.0GHz	30mA	1.1dB	.57	.51	.448	.333
726-BFP420FE6327	BFP420FE6327XT	TSFP-4	NPN	4.5V	35mA	160mW	25.0GHz	30mA	1.1dB	.72	.57	.434	.322

SIEGET@45 Line - Silicon RF Bipolar Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Polarity Type	V _{CEO} (max)	I _C (max)	P _{tot} (max)	f _T		NF (typ.)	Price Each			
							(typ.)	@ I _C		1	10	100	500
726-BFP520E6327	BFP520E6327XT	SOT-343-4	NPN	2.5V	40mA	100mW	45.0GHz	30mA	0.95dB	.57	.51	.454	.42
726-BFP520FE6327	BFP520FE6327XT	TSFP-4	NPN	2.5V	40mA	100mW	45.0GHz	30mA	0.95dB	.78	.62	.47	.426
726-BFP540E6327	BFP540E6327XT	SOT-343-4	NPN	4.5V	80mA	250mW	30.0GHz	50mA	0.9dB	.82	.70	.556	.408
726-BFP540ESDE6327	BFP540ESDE6327XT	SOT-343-4	NPN	4V	80mA	250mW	34.0GHz	50mA	0.9dB	.97	.86	.736	.54
726-BFP540ESDH6327	BFP540ESDH6327XT	SOT-343-4	NPN	4.5V	80mA	250mW	30.0GHz	50mA	0.9dB	.51	.46	.44	.399
726-BFP540H6327	BFP540H6327XT	SOT-343-4	NPN	4.5V	80mA	250mW	30.0GHz	50mA	0.9dB	4.88	4.78	4.73	4.62

SiGe High Performance Low Noise RF Bipolar Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Polarity Type	V _{CEO}	I _C	P _{tot}	f _T		NF	Price Each			
							(typ.)	@ I _C		1	10	100	500
726-BFP640ESDH6327XT	BFP640ESDH6327XT	SOT-343-4	NPN	4.1V	50mA	200mW	46.0GHz	30mA	0.65dB	.76	.74	.73	.69
726-BFP640FESDE6327	BFP640FESDE6327XT	TSFP-4	NPN	4.1V	50mA	200mW	46.0GHz	30mA	0.6dB	.76	.74	.73	.69
726-BFP720ESDH6327XT	BFP720ESDH6327XT	SOT-343-4	NPN	4.2V	30mA	100mW	48.0GHz	15mA	0.55dB	.76	.74	.73	.69
726-BFP720FE6327XT	BFP720FE6327XT	TSFP-4	NPN	4V	25mA	100mW	45.0GHz	13mA	0.7dB	.76	.74	.73	.69
726-BFP720FESDE6327	BFP720FESDE6327XT	TSFP-4	NPN	4.2V	30mA	100mW	45.0GHz	15mA	0.5dB	.76	.74	.73	.69
726-BFP720H6327	BFP720H6327XT	SOT-343-4	NPN	4V	25mA	100mW	45.0GHz	13mA	0.5dB	.89	.84	.714	.622
726-BFP740ESDH6327XT	BFP740ESDH6327XT	SOT-343-4	NPN	4.2V	45mA	160mW	45.0GHz	25mA	0.55dB	.76	.74	.73	.69
726-BFP740FESDE6327	BFP740FESDE6327XT	TSFP-4	NPN	4.2V	45mA	160mW	47.0GHz	25mA	0.6dB	.76	.74	.73	.69

SILICON AF DIGITAL TRANSISTORS

General purpose transistors with built-in resistor network so called Digital Transistors. They are available in single chip and multi chip versions with huge amount of different resistor combinations. Infineon mainly offers the Digital Transistors in the packages SOT-23, SOT-323, SOT-363, TSFP and TSLP. PNP & NPN combinations are also available. Digital Transistors are mainly used in automotive, consumer, cellular and datacom applications.

Silicon RF Bipolar Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Infineon Part No.	Package	Polarity Type	R1 (typ)	R2 (typ)	h _{FE}		V _{I(on)} (min)	V _{I(off)} (max)	Price Each			
						(min)	@ I _C			1	10	100	500
Single													
726-BCR503E6327	BCR503E6327XT	SOT-23-3	NPN	2.2k Ohm	2.2k Ohm	40.0	50mA	1.0V/0.3V	1.5V/5V	.71	.48	.227	.123
726-BCR108E6327	BCR108E6327XT	SOT-23-3	NPN	2.2k Ohm	47.0k Ohm	70.0	5mA	0.5V/0.3V	0.8V/5V	.50	.32	.143	.065
726-BCR133E6327	BCR133E6327XT	SOT-23-3	NPN	10.0k Ohm	10.0k Ohm	30.0	5mA	1.0V/0.3V	1.5V/5V	.50	.32	.143	.065
726-BCR141E6327	BCR141E6327XT	SOT-23-3	NPN	22.0k Ohm	22.0k Ohm	50.0	5mA	1.0V/0.3V	1.5V/5V	.16	.11	.07	.05
726-BCR562E6327	BCR562E6327XT	SOT-23-3	PNP	4.7k Ohm	4.7k Ohm	60.0	50mA	1.0V/0.3V	1.5V/5V	.28	.20	.13	.093
Dual													
726-BCR08PNE6327	BCR08PNE6327XT	SOT-363-6	NPN/PNP	2.2k Ohm	47.0k Ohm	70.0	5mA	0.5V/0.3V	0.8V/5V	.43	.30	.196	.105