



**EXCELICS SEMICONDUCTOR, INC.**

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## Quick Reference Guide for 2 GHz Application

6/1/1999

Device Type	Bias	P-1	NF	Ga	G-1	IP3	Idss	BVgd**
		dBm	dB	dB	dB	dBm	mA	V
<b>A) Chips:</b>								
EPB018A5	2V/15mA	15 <sup>+</sup>	0.4	20	20 <sup>+</sup>		15-80	6
EPB018A7	2V/15mA	15 <sup>+</sup>	0.5	19	19 <sup>+</sup>		15-80	6
EPB018A9	2V/15mA	15 <sup>+</sup>	0.6	19	19 <sup>+</sup>		15-80	6
EPB025A	2V/15mA	15 <sup>+</sup>	0.5	19	19 <sup>+</sup>		20-80	5
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EFA018A	6V/30mA	18	1.1	17	17	28	25-75	15
EFA025A	6V/40mA	20	1.2	17	17	30	55-100	15
EFA060B	6V/80mA	23	1.3	17	17	33	100-240	15
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EPA018A	6V/30mA	20	0.7	20	19	27	30-75	15
EPA025A	6V/40mA	21	0.8	20	19	28	40-100	15
EPA060B	5V/50mA	23	0.4	20	19	28	110-250	15
EPA080A	5V/60mA	24	0.4	20	19	29	130-320	15
<b>B) Non-hermetic packages:</b>								
EPB018A7-70	2V/15mA	15 <sup>+</sup>	0.5	19	14 <sup>+</sup>		15-80	6
EPB018A9-70	2V/15mA	15 <sup>+</sup>	0.6	18	14 <sup>+</sup>		15-80	6
EPB025A-70	2V/15mA	15 <sup>+</sup>	0.4	19	14 <sup>+</sup>		20-80	5
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EFA018A-70	6V/30mA	18	1.2	17	17	28	25-75	15
EFA025A-70	6V/40mA	20	1.3	17	17	30	55-100	15
EFA060B-70	5V/50mA	23	0.7	17	17	26	100-240	15
	5V/100mA	23	1.4	17	17	38		
EFA240D-SOT89	5V/150mA	28	0.7	13	13	36	400-880	15
	5-7V/350mA	29-31	1.2	13	13	48		
EFA480C-SOT89	5V/300mA	31	0.8	12	12	39	800-1760	15
	5-7V/750mA	32-34	2.0	12	12	48		
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EPA018A-70	6V/30mA	20	0.8	20	19	27	30-75	15
EPA018A-SOT23	2V/15mA		0.7	16			30-75	15
	6V/30mA	20	0.9	17	17	27		
EPA025A-70	6V/40mA	21	0.9	19	18	28	40-100	15
EPA060B-70	5V/50mA	24	0.4	20	18	28	110-250	15
	5V/90mA	25	0.6	20	19	31		
EPA240D-SOT89	5V/150mA	30	0.4	14	12	38	440-940	15
	5-8V/350mA	31-33	0.8	14	14	40		
EPA480C-SOT89	5V/300mA	32	0.5	13	12	41	880-1880	15
	5-8V/750mA	33-36	1.2	13	13	43		

**Note:** All parameters are typical and preliminary

<sup>+</sup>3V/25mA, \*2V/15mA, \*\*EPB @Igd= 10uA, rest @1mA/mm