

EXCELICS PRODUCT LIST-I
(Super Low Noise High Gain Heterojunction FETs)

DEVICE TYPE	SIZE	CHIP SIZE	W(Gate)/Finger	Bias	N.F.*	Ga*	Freq.	Idss	Bvgd**	Freq. Range	Remark
	um ²	um ²	um		dB	dB	GHz	mA	V		
A.) Chips:											
EPB018A5	0.3x180	320X290	30	2V, 15mA	0.50	13.0	12	15-80	6	Up to 65 GHz	P-1 ⁺ =15dBm
EPB018A7	0.3X180	320X290	30	2V, 15mA	0.65	12.5	12	15-80	6	Up to 65 GHz	P-1 ⁺ =15dBm
EPB018A9	0.3X180	320X290	30	2V, 15mA	0.95	12.0	12	15-80	6	Up to 65 GHz	P-1 ⁺ =15dBm
EPB025A	0.3x250	420x260	62.5	2V, 15 mA	0.80	11.0	12	20-80	5	Up to 45 GHz	P-1 ⁺ =15dBm
B.) Non-hermetic Low Cost 70 mil Packages:											
EPB018A5-70	0.3x180	-	-	2V, 15mA	0.50	13.0	12	15-80	6	Up to 30 GHz	P-1 ⁺ =15dBm
EPB018A7-70	0.3x180	-	-	2V, 15mA	0.65	12.5	12	15-80	6	Up to 30 GHz	P-1 ⁺ =15dBm
EPB018A9-70	0.3x180	-	-	2V, 15 mA	0.95	11.5	12	15-80	6	Up to 30 GHz	P-1 ⁺ =15dBm
EPB025A-70	0.3x250	-	-	2V, 15 mA	0.85	10.5	12	20-80	5	Up to 30 GHz	P-1 ⁺ =15dBm

Note: *: Typical Values **: Typical Values measured at Ig=10 uA

⁺: Typical Values measured at 3V/25mA

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