GaAs MMIC
Enhancement Mode pHEMT

Product Features
- GaAs E-pHEMT
- Low Noise Figure
- High Efficiency
- Good Gain Flatness
- Lower manufacturing cost
- Pb Free / RoHS Standard

E-pHEMT MMIC (50Ω)

Part Number	Frequency (MHz)	Gain (dB)	NF (dB)	P1dB (dBm)	OIP3 (dBm)	WCDMA (dBm)	Voltage (V)	Current (mA)	Package type
AE362*	50 ~ 6000	15.8	1.3	21	32	8.5	4.5	45	SOT-89
AE364*	50 ~ 6000	14.3	1.9	23	35	11	5	75	SOT-89
AE374*	50 ~ 6000	16.5	1.3	24	38	13.2	4.7	80	DFN3x3
AE384*	50 ~ 6000	14	1.4	24	39	14	5	100	SOT-89
AE366**	50 ~ 1000	23	1.4	22.5	39	-	5	95	SOT-89
AE365**	50 ~ 1000	15	2.5	21	37	-	5	75	SOT-89

*Test Condition : * 2000MHz, W-CDMA 4FA ** 100MHz, IF-Band*

E-pHEMT MMIC (75Ω)

Part Number	Frequency (MHz)	Gain (dB)	NF (dB)	OIP3 (dBm)	CH@Vo (Flat)(dBmV)	CTB (dBc)	CSO (dBc)	XMOD (dBc)	Vd / Id (V/mA)	Package type
AE312	50 ~ 1000	20	1	32	135@20	-69	-54	-74	5 / 50	SOT-89
AE313	50 ~ 2200	19	3.5	31	135@20	-69	-54	-72	5 / 50	SOT-89
AE314	50 ~ 1000	22	2.3	38	135@30	-63	-53	-63	5 / 100	SOT-89
AE324	50 ~ 1000	23	2	39	135@30	-67	-61	-67	5 / 140	QFN4x4
AE417	50 ~ 1000	13	3.4	41.2	135@30	-75	-62	-73	8 / 115	SOT-89
AE414	50 ~ 2200	20	1.9	39	135@30	-72	-60	-72	8 / 140	DFN3x3
AE427	50 ~ 1000	25	2	40.6	135@30	-70	-55	-67	8 / 130	SOT-89
AE514	50 ~ 2200	18.5	2.6	41	79@39	-63	-69	-56	5 / 200	SOIC-8
AE617	50 ~ 1000	22	2.3	41	79@39	-64	-63	-57	8 / 250	SOIC-8
AE627	50 ~ 1000	19	3.8	43.4	79@39	-67	-73	-60	9 / 310	SOIC-8
AE618	50 ~ 1000	20.8	2.1	41.8	79@39	-68	-73	-64	8 / 470	SOIC-8

E-pHEMT Active Divider (75Ω)

Part Number	Frequency (MHz)	Gain (dB)	NF (dB)	Isolation (dB)	CH@Vo (Flat)(dBmV)	CTB (dBc)	CSO (dBc)	XMOD (dBc)	Vd / Id (V / mA)	Package type
AD311	50 ~ 1000	8	4.5	-25	135@15	-70	-54	-68	5 / 110	QFN3x3
AD412	50 ~ 1000	6.3	5.5	-25	135@15	-69	-57	-73	5 / 160	QFN3x3