

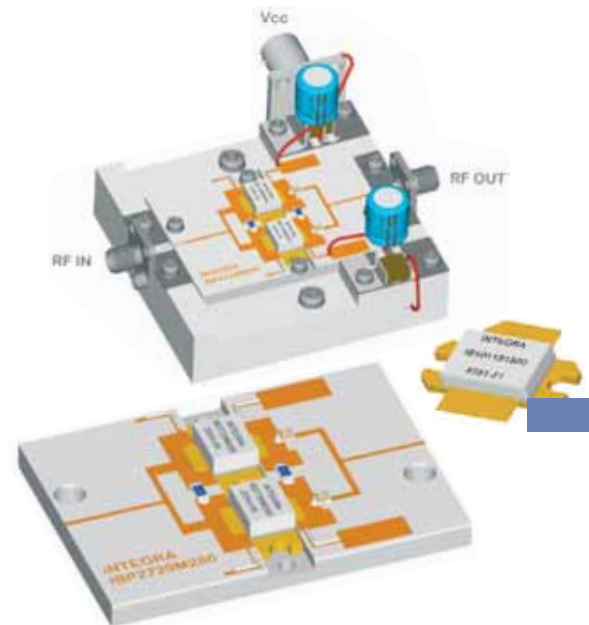
Power Transistors, Pallets and High Power Amplifiers

Integra Technologies, Inc. is an ISO9000-2000 certified manufacturer of state of the art RF power transistors, pallets and RF high power amplifiers (HPA). The facility produces 150mm (6") wafers in its 300 square meter Class-100 clean room. In addition, device assembly and 100% functional testing is performed onsite using fully automated equipment.

Integra's patent protected technology consists of **BIPOLAR and MOSFET transistors and hybrid assemblies intended for Broadcast, Avionics, L- and S-Band Radar and other defense applications.**

Integra is fully committed to a policy of total customer satisfaction through compliance to our customers' requirements, on-time delivery, and continual improvement of our quality systems.

Integra excels by providing the highest power, gain and efficiency devices available. Extensive technical support and application specific designs make Integra the preferred choice for your system.



Avionics	Pout (W) Typ.	Pin (W)	Gain (dB) Typ.	Min IRL (dB)	VCC (V)	Eff (%) Typ.	P/N
Transponder/Interrogator 1030/1090 MHz 10us, 1%	87	8	10.4	10	50	70	IB1011S170
	190	9	13.2	10	60	54	IB1011S190
	285	32	9.5	10	50	61	IB1011S250
	350	25	11.5	10	50	59	IB1011S350
	1070	112	9.8	10	50	57	IB1011S1000
	1570	168	9.7	10	60	51	IB1011S1500
DME 1025-1150 MHz 10us, 1%	1150	140	9.1	10	60	48	IB1012S1100
TACAN 960-1215 MHz 10us, 10%	365	31	10.7	10	50	55	IB0912M350
	505	80	8.0	10	50	56	IB0912M500
TCAS 1030/1090 MHz 32us, 2%	1145	145	9.0	10	60	44	IB1011M1100
Mode S-ELM Interrogator 1030 MHz	490	60	9.1	10	48	57	IB1011L470
Mode S Interrogator 1030 MHz	692	120	7.6	10	50	58	IB1011M650
	825	100	9.2	10	50	52	IB1011M800

L-Band Radar	Pout (W) Typ.	Pin (W)	Gain (dB) Typ.	Min IRL (dB)	VCC (V)	Eff (%) Typ.	P/N
870-990 MHz 300us, 15%	13.7	2.4	7.6	10	36	53	IB0810M12
	53	8.3	8.1	10	36	52	IB0810M50
	222	34	8.1	10	36	59	IB0810M210
1.2-1.4 GHz 100us, 10%	63	8.7	8.6	10	40	47	IB1214M55
	176	27.3	8.1	10	40	50	IB1214M150
	333	60	7.4	10	40	54	IB1214M300
1.2-1.4 GHz 330us, 10%	404	58.6	8.4	10	50	54	IB1214M370