

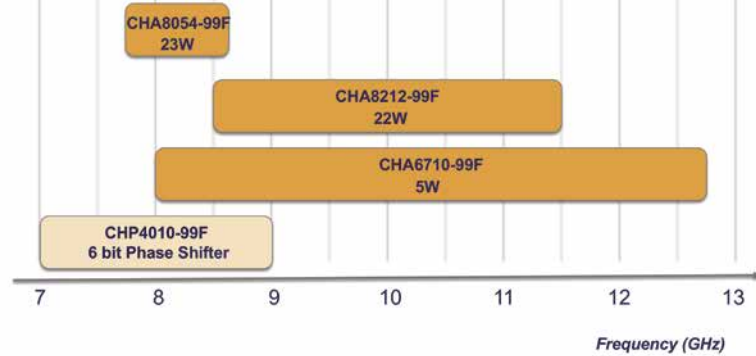
A selection of our latest released products for Defence



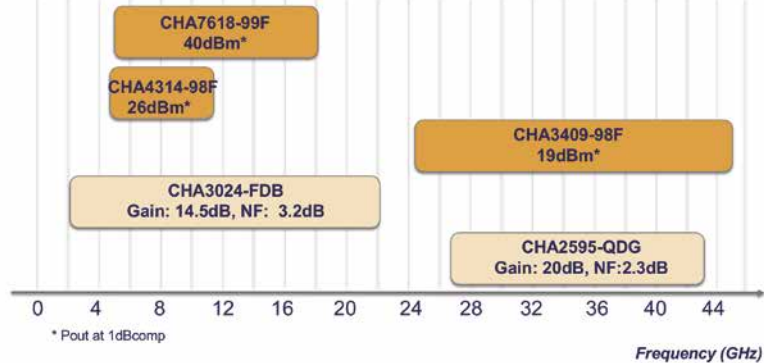
UMS has successfully developed its defence offer with new GaN and GaAs products for Radar and Electronic Warfare applications:



Radar & X-Band applications



Wideband



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NEW DEFENCE PRODUCTS



AMPLIFIER – LNA

Part Number	RF Bandwidth (GHz)	Gain (dB)	Noise Figure (dB)	P-1dB OUT (dBm)	Bias (mA)	Bias (V)	Case
CHA3024-FDB	2-22	14.5	3.25	17.5	100	5	Hermetic
CHA2595-QDG	27.5-43.5	20	2.3	11	61	3.3	QFN

AMPLIFIER – MPA

Part Number	RF Bandwidth (GHz)	Gain (dB)	IP3 (dBm)	P-1dB OUT (dBm)	Sat. Output Power (dBm)	Bias (mA)	Bias (V)	Case
CHA3024-FDB	2-22	14.5	29	17.5	19.5	100	5	Hermetic
CHA4314-98F	4.5-11.5	18	34	26	27	180	8	Die
CHA3409-98F	25-45	23	19	20	19	100	4	Die

AMPLIFIER – HPA

Part Number	RF Bandwidth (GHz)	Gain (dB)	P-1dB OUT (dBm)	Sat. Output Power (dBm)	PAE %	Bias (mA)	Bias (V)	Case
CHA7618-99F	5-18	30	-	40 @ 8dB comp	24 @ 8dBcomp	800	18	Die
CHA8054-99F	7.7-8.6	27	-	43.6	50 @ 7dB comp	900	28	Die
CHA6710-99F	8-12.75	23.5	-	37.4	36 @ Psat	200	25	Die
CHA6710-FAB	8-12.75	22	-	37	34 @ Psat	200	25	Hermetic SMD
CHA8212-99F	8.5-11.5	34	35	44.5	36 @ 7dB comp	750	28	Die

PHASE SHIFTER

Part Number	RF Bandwidth (GHz)	Number of Bits	Phase range (°)	Insertion Loss (dB)	Phase Error (°p-p)	P-1dB IN (dBm)	Control Voltage (V)	Case
CHP4010-99F	7-9	6	360	9	-4/4.5	26	-3.5 / 0	Die

See all our products on www.ums-rf.com

