

GaN

GaN Technology Transition to Drive MACOM Growth



	LDMOS	MACOM GaN	GaN on SiC
Power Amp Efficiency >2GHz		>10% Improvement	>10% Improvement
Higher Frequency Bands	1.8 GHz	Up to >3.8 GHz	Up to >3.8 GHz
Wider Bandwidths	100 MHz	200 MHz	200 MHz
Power Density	1-1.5 W/mm	4-6 W/mm	4-8 W/mm
Linearity	DPD Friendly	DPD Friendly	Charge Trapping
Supply Chain	8"	Up to 8"	4" → 6"
Cost	Silicon	Silicon	SiC


GaN Performance at LDMOS Cost Structures

APPLICATIONS

Basestations

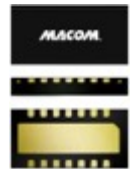
RF Energy



PRODUCTS & TECHNOLOGY

GaN in Plastic and Ceramic

GaN Modules



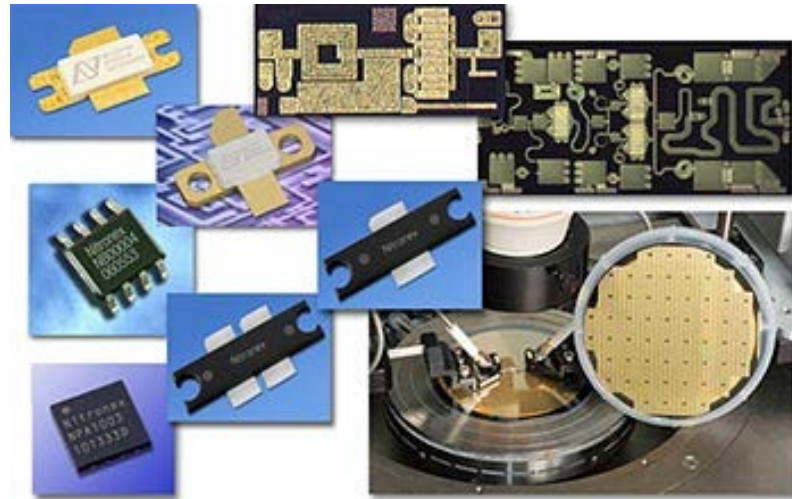
TARGET CUSTOMERS



MACOM Innovation is Leading Commercial GaN Adoption



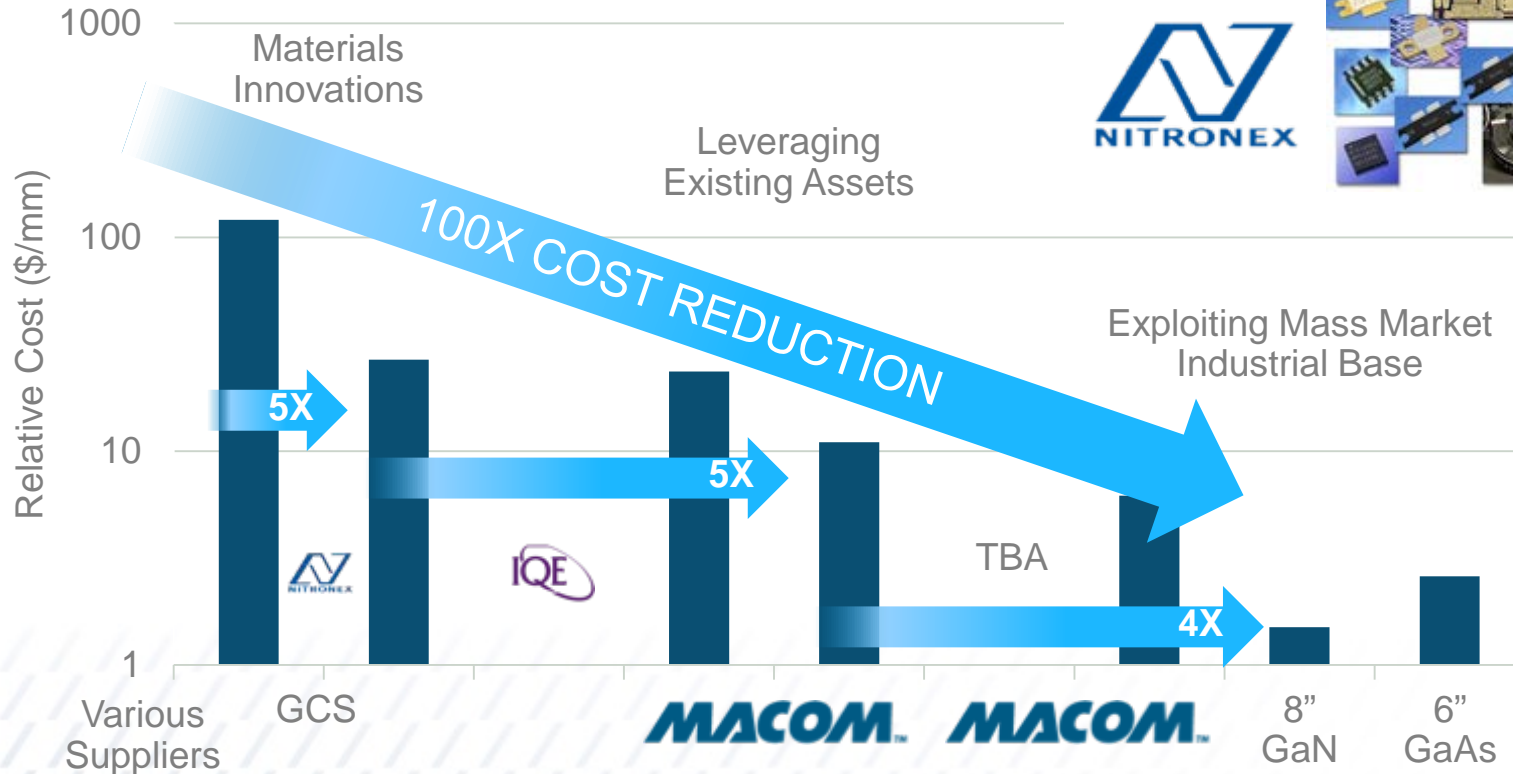
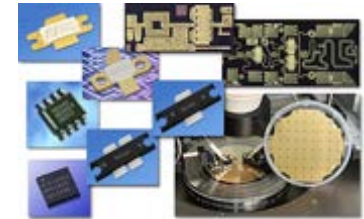
FUNDAMENTAL IP POSITION



MACOM is poised to enable GaN performance at silicon cost structures

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