



GaN

GaN Technology Drives 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

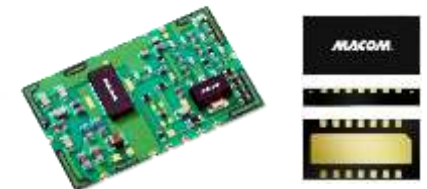


PRODUCTS & TECHNOLOGY

GaN in Plastic and Ceramic



GaN Modules



KEY CUSTOMERS

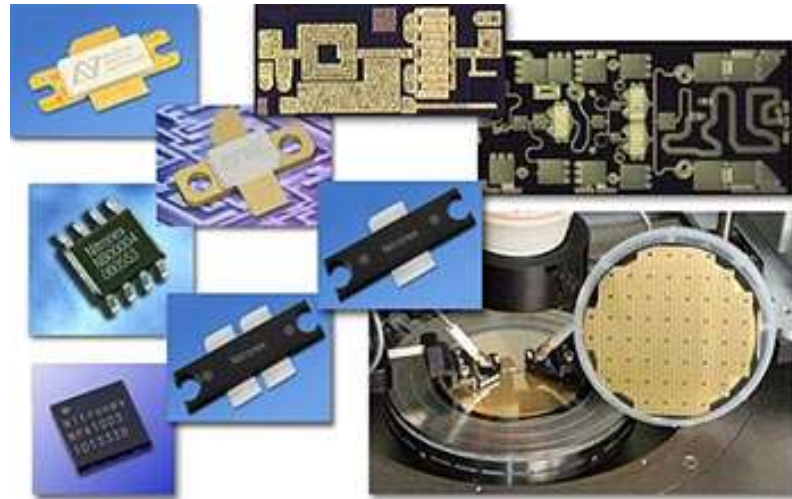


HUAWEI



MACOM Innovation is Leading Commercial GaN Adoption

FUNDAMENTAL IP POSITION

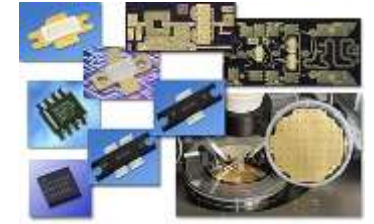
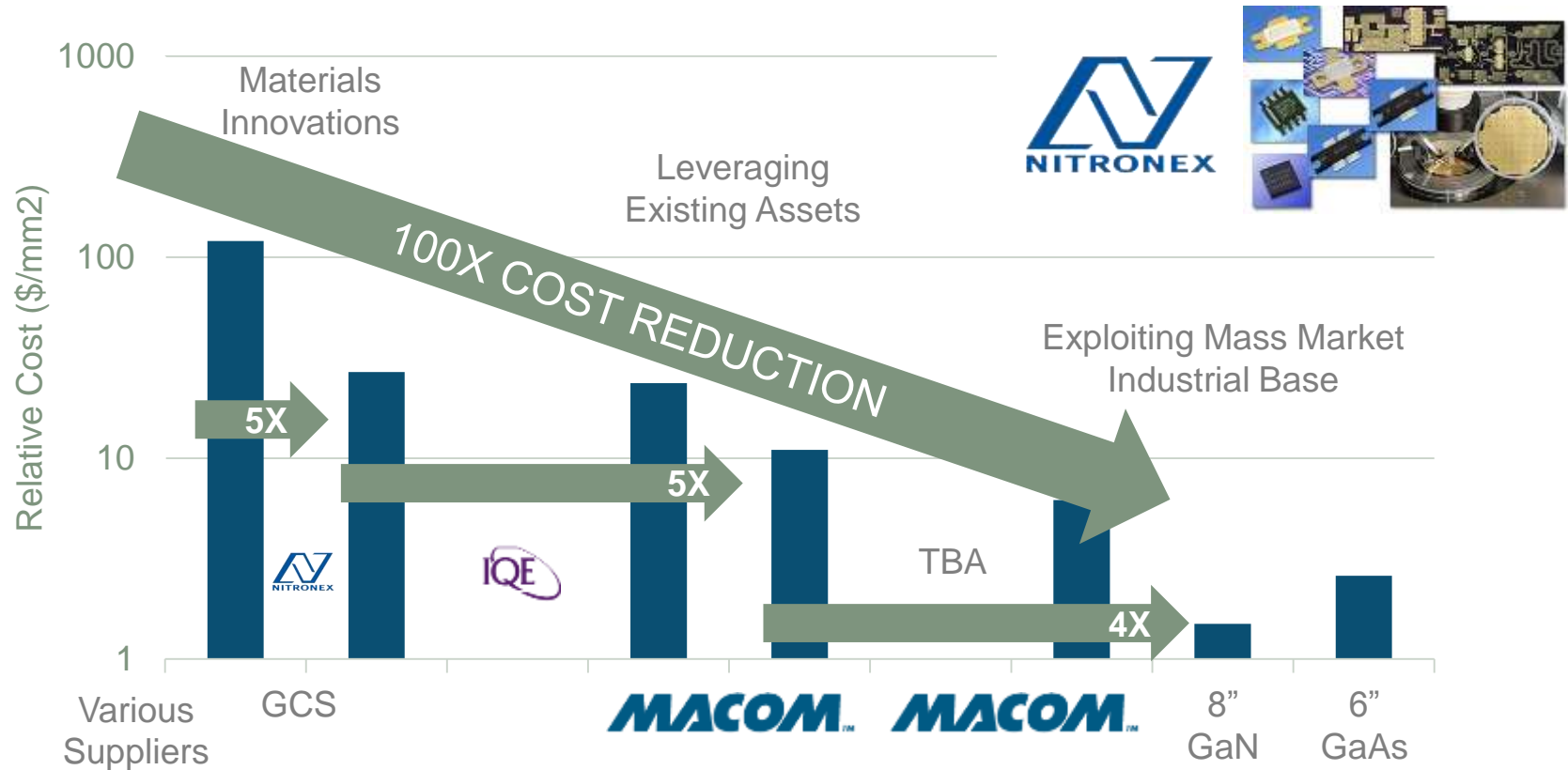


Source: Internal MTSI

MACOM is poised to enable GaN performance at silicon cost structures

MACOM Innovation is Leading Commercial GaN Adoption

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Source: Internal MTSI Estimates

MACOM is poised to enable GaN performance at silicon cost structures