

# Cellular bands solution

# Highlights

Die/Device	Optimize for Cellular Application
	Reasonable Power steps
	High Power internal match to enable the right tradeoff
	Optimize for Rth
	Inhouse MOSCAP capability
Design/Application	World Class Doherty expertise
	Harmonic loadpull capability
	MMIC and GaAs IPD capability
Package/Assembly	Fully Automated
	Pkg experienced extended from LDMOS
Supply Chain	Asian base supply chain
	Produced by the leading compound Semiconductor foundry in the world

Sub System Integration  
Small cell  
Massive MIMO  
Smart City

Ultrawide band/MDAS  
PA  
1.9&2.6GHz Doherty  
2.6&3.5GHz Doherty  
0.8-2.5GHz Class AB  
1.8-3.8GHz Class AB

Narrow band high  
performance Doherty:  
1.8GHz/2.2GHz 60%  
2.6GHz 55%  
3.4-3.6/3.6-3.8GHz 45%

Wideband Doherty  
iModule:  
1.8-2.2GHz  
**3.4-3.8GHz**

General Purpose  
GaN & LDMOS Devices  
GaAs + LDMOS 40dB plastic PA