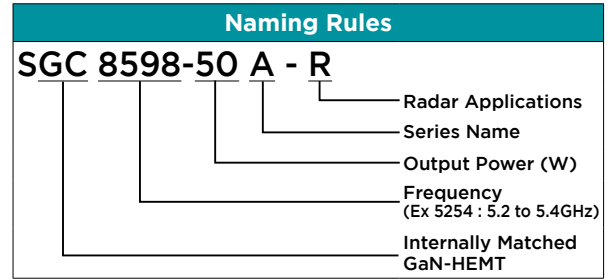


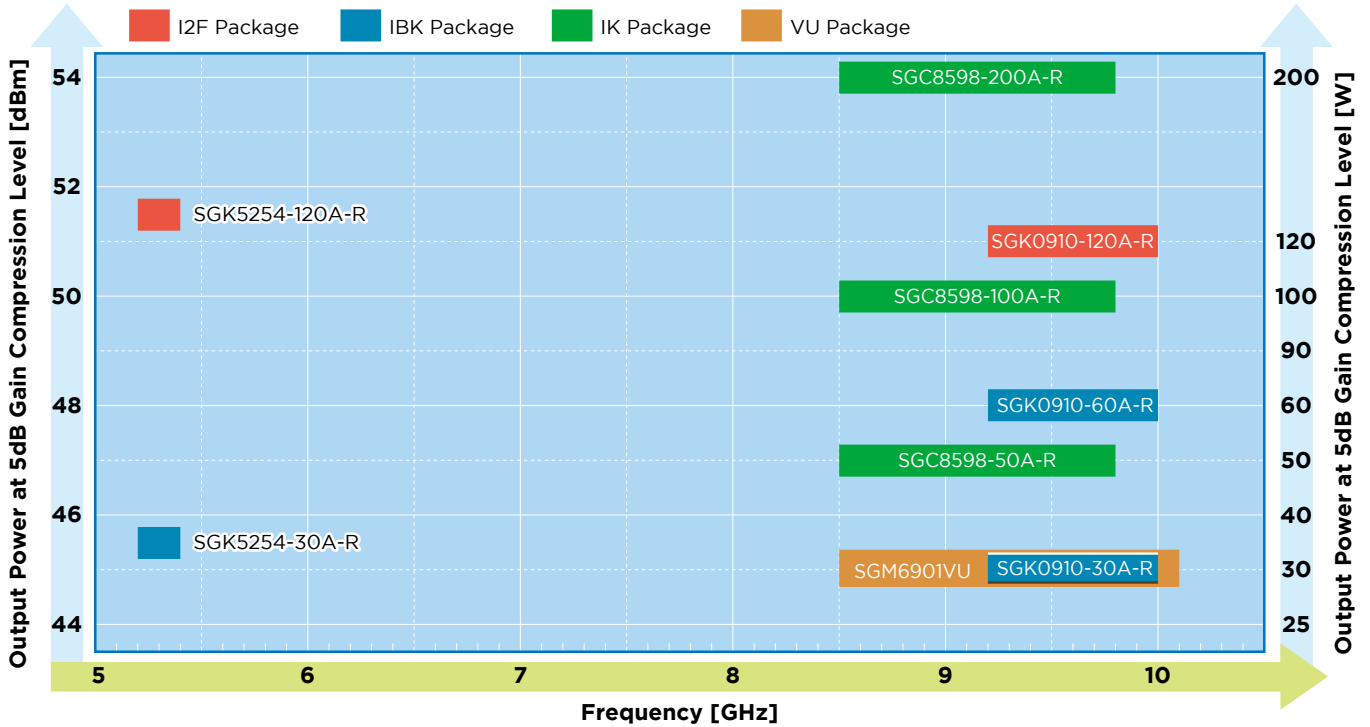
# GaN HEMTs for Radar C/X

## Features

- High Output Power
- High Gain
- High Efficiency
- Internally Matched



## GaN HEMTs for Radar C/X Lineup



## Specifications

Part Number	Freq. (GHz)	Pout (dBm)	GL (dB)	$\eta_{add}$ (%)	VDS (V)	IDS(RF) (A)	Rth (°C/W)	Condition	Package
SGK5254-30A-R	5.2-5.4	45.5	16.5	49	24	2.8	2.2	Pulse Width:100μsec,Duty:10%	IBK
SGK5254-120A-R	5.2-5.4	51.5	16.5	47	24	11.6	0.65		I2F
SGC8598-50A-R	8.5-9.8	47	11 <sup>*2</sup>	40	50	2.8	2.4		IK
SGC8598-100A-R	8.5-9.8	50	10 <sup>*2</sup>	40	50	5.7	1.4		IBK
SGC8598-200A-R	8.5-9.8	54	10 <sup>*2</sup>	38	50	11.8	0.6		I2F
SGK0910-30A-R	9.2-10	45	11.5	35	24	3	2.2		VU
SGK0910-60A-R	9.2-10	48	11.5	35	24	5.9	1.1		
SGK0910-120A-R	9.2-10	51	11.5	35	24	11.6	0.65		
SGM6901VU <sup>*1</sup>	8.5-10.1	45	23.3 <sup>*2</sup>	38	50	1.8	2.8		

\*1: Under Development

\*2: Power Gain

Note: Tc (op)=+25°C

## Product Photo

