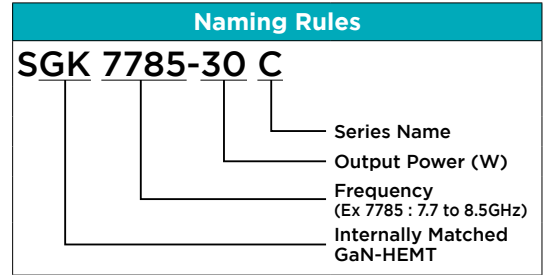


GaN HEMTs for Radio Link and SATCOM

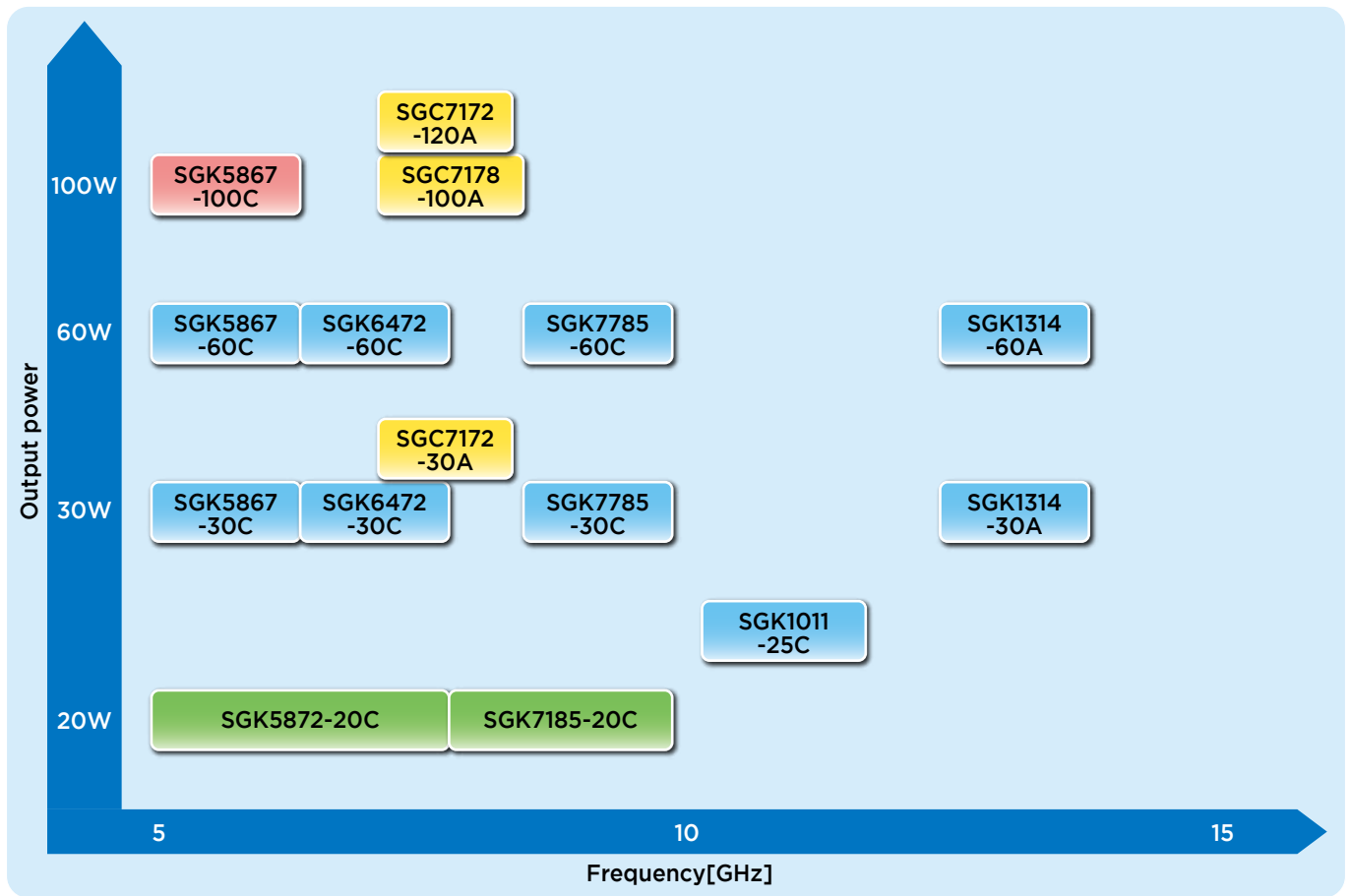
Features

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

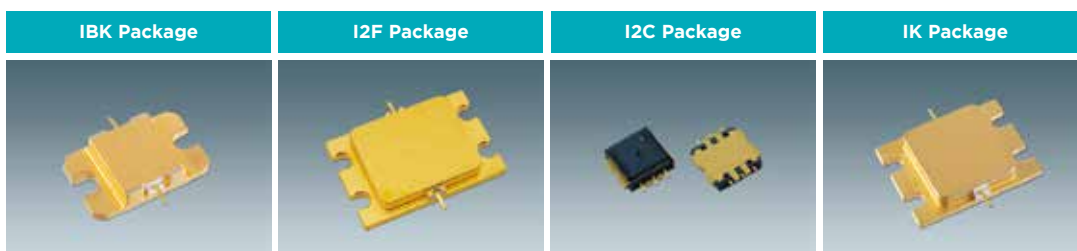


GaN HEMTs for Satcom Lineup

- I2F Package
 ■ IBK Package
 ■ I2C Package
 ■ IK Package



Product Photo





Part Number	Freq. (GHz)	IM3 (dBc)	SCL Pout (dBm)	Pout (dBm)	GL (dB)	η_{add} (%)	VDS (V)	IDS(DC) (A)	IDS(RF) (A)	Rth ($^{\circ}$ C/W)	Pkg
SGK5867-30C	5.85-6.75	-42	29.5	45	15	41	24	1.75	3.2	2.2	IBK
SGK5867-60C	5.85-6.75	-42	32	48	14	39	24	2.6	6.4	1.3	
SGK5867-100C	5.85-6.75	-25	44	50.5	14.5	45	24	4	10	0.55	I2F
SGK5872-20C	5.85-7.2	-43	27.5	43	14	41	24	1	2	2.7	I2C
SGK6472-30C	6.4-7.2	-42	29.5	45	14.5	40	24	1.75	3.2	2.2	IBK
SGK6472-60C	6.4-7.2	-42	32	48	13.5	41	24	2.6	6.4	1.3	
SGK7185-20C	7.1-8.5	-42	27.5	43	13	35	24	1	2	2.7	I2C
SGK7785-30C	7.7-8.5	-42	29.5	45	14	44	24	1.75	3.2	2.2	IBK
SGK7785-60C	7.7-8.5	-42	32	48	13	40	24	2.6	6.4	1.3	
SGK1011-25C	10.7-11.7	-42	29	45.5	11	40	24	1.2	3	1.9	IBK
SGK1314-30A	13.75-14.5	-30	38.5	45	8.5	32	24	0.9	3.3	1.5	
SGK1314-60A	13.75-14.5	-30	41.5	48	8.5	32	24	1.8	6.6	0.8	
SGC7178-100A	7.1-7.8	-27	44	50	12	36	35	0.8	6	0.65	IK
SGC7172-30A	7.14-7.24	-30	38	45.15	12.15	45	50	0.2	1.4	2.3	
SGC7172-120A	7.14-7.24	-33	44	51.3	12.3	43	50	1.3	5.9	0.65	