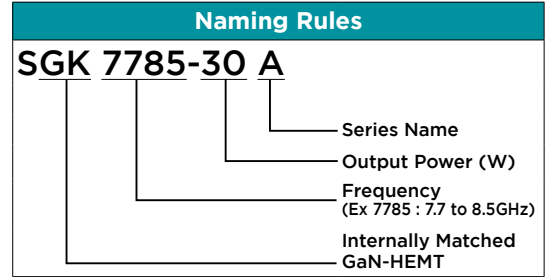


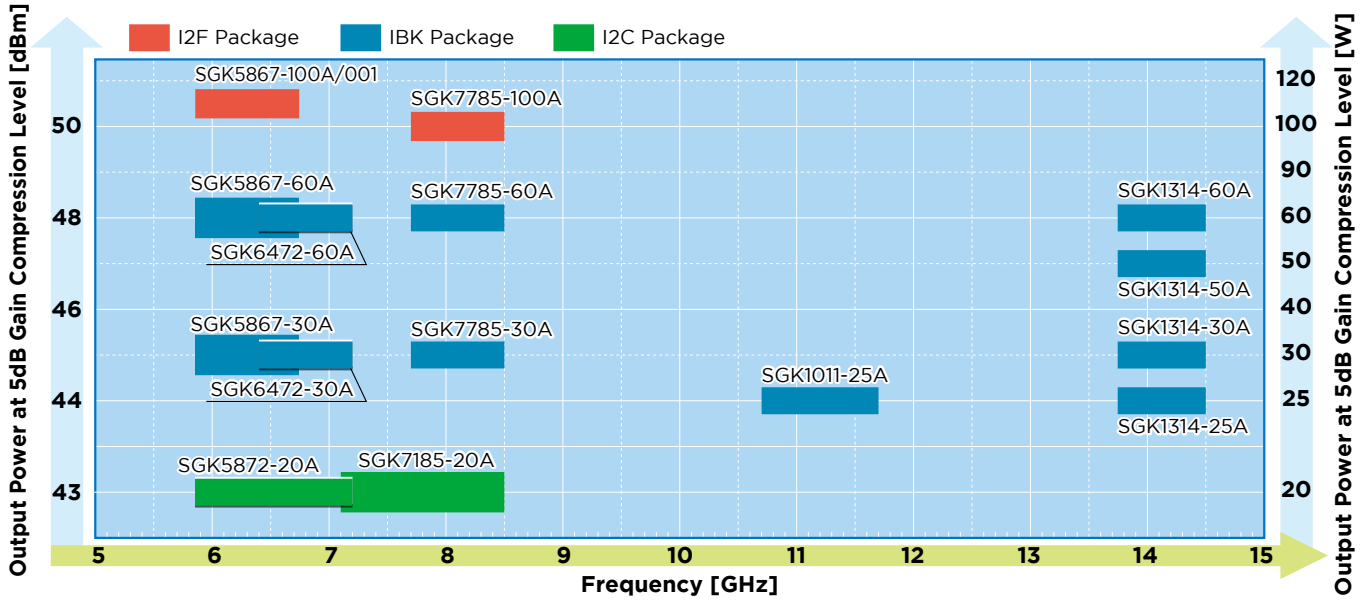
# GaN HEMTs for Radio Link and SATCOM

## Features

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



## GaN HEMTs for Satcom Lineup



## Specifications

Part Number	Freq. (GHz)	IM3 (dBc)	SCL Pout (dBm)	Pout (dBm)	GL (dB)	$\eta_{add}$ (%)	VDS (V)	IDS(DC) (A)	IDS(RF) (A)	Rth ( $^{\circ}$ C/W)	Condition	Package
SGK5867-30A	5.85-6.75	-45	29.5	45	13.5	45	24	1.75	2.7	2.2	CW Operation	IBK
SGK5867-60A	5.85-6.75	-	32	48	12.5	40	24	2.6	5.4	1.3		I2F
SGK5867-100A/001	5.85-6.75	-25	44	50.5	13.5	45	24	4	10	0.55		I2C
SGK5872-20A	5.85-7.2	-43	27.5	43	12	41	24	1.0	1.6	2.7		I2C
SGK6472-30A	6.4-7.2	-45	29.5	45	12.5	40	24	1.75	2.7	2.2		IBK
SGK6472-60A	6.4-7.2	-	32	48	12	39	24	2.6	5.4	1.3		I2C
SGK7185-20A	7.1-8.5	-43	27.5	43	11	39	24	1.0	1.7	2.7		I2C
SGK7785-30A	7.7-8.5	-45	29.5	45	12	39	24	1.75	2.7	2.2		IBK
SGK7785-60A	7.7-8.5	-42	32	48	11	37	24	2.6	5.4	1.3		I2F
SGK7785-100A	7.7-8.5	-25	44	50	12	42	24	4	10	0.55		IBK
SGK1011-25A	10.7-11.7	-42	29	44	10	33	24	1.2	2.7	1.9		IBK
SGK1314-25A	13.75-14.5	-	-	44	8	29	24	0.75	2.5	1.8		IBK
SGK1314-30A	13.75-14.5	-	-	45	8.5	32	24	0.9	3.3	1.5		IBK
SGK1314-50A	13.75-14.5	-	-	47	8	29	24	1.5	5	1.3		IBK
SGK1314-60A	13.75-14.5	-	-	48	8.5	32	24	1.8	6.6	0.8		IBK

Note: Tc (op)=+25°C  
IM3: 3rd Order Intermodulation Distortion

## Product Photo

