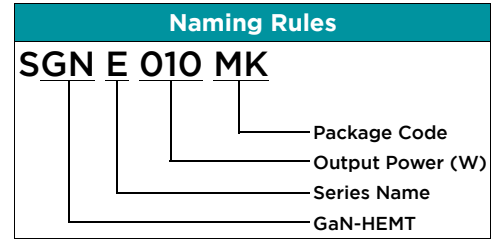


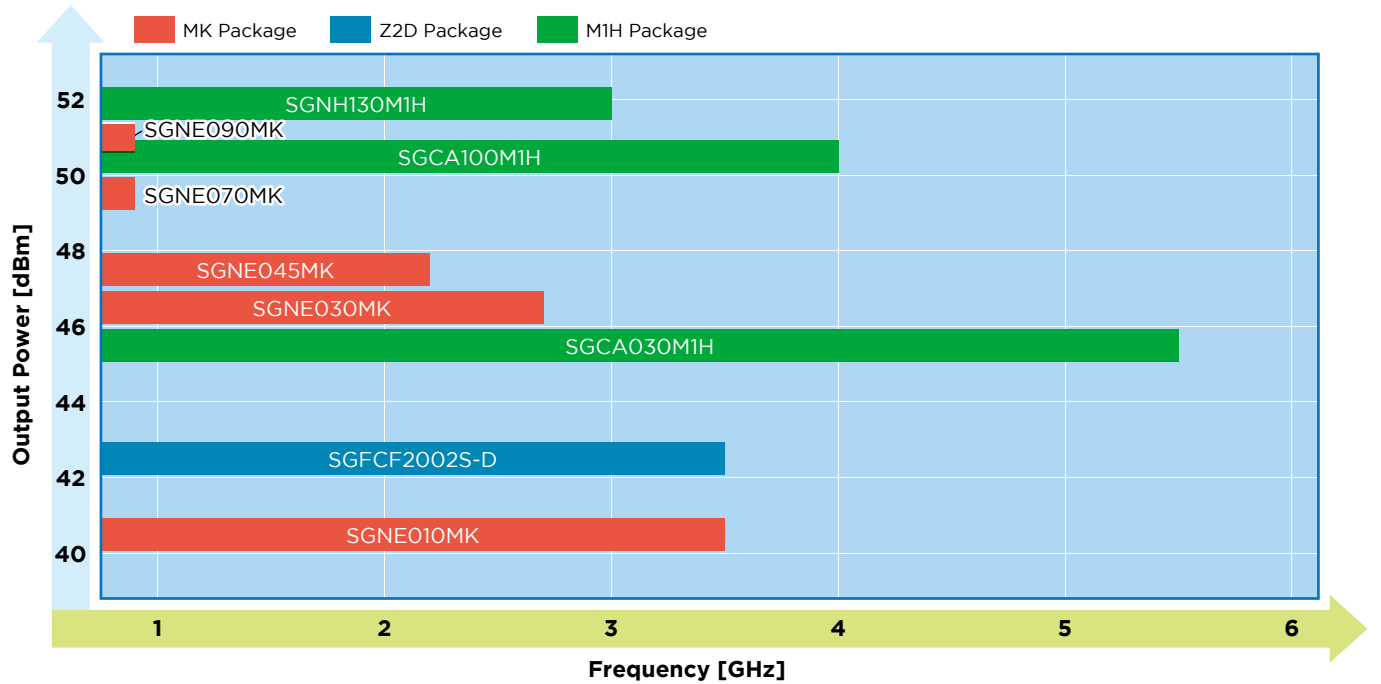
# GaN HEMTs for General Purpose

## Features

- Unmatched Broadband Operation up to 5.5GHz
- High Efficiency
- 50V Operation
- Low Thermal Resistance (Rth)



## Lineup



## Specifications

Part Number	Freq. (GHz)	Psat Typ. (dBm)	GL Typ. (dB)	$\eta_D$ (%)	IDS (DC) (mA)	Rth ( $^{\circ}\text{C}/\text{W}$ )	Condition	Package
SGFCF2002S-D	3	42.5	25.5	44	135	3.8	CW	Z2D
SGNE010MK	3.5	40.5	16	55	100	4.5		MK
SGNE030MK	2.7	46.5	16	55	200	2		
SGNE045MK	2.2	47.5	15	55	250	1.4		
SGNE070MK	0.9	49.5	20	70	400	1.5		
SGNE090MK	0.9	51	20	70	500	1.2	Pulse	M1H
SGCA030M1H	5	45.5	9.5 <sup>*1</sup>	53	200	2		
SGCA100M1H	3.9	50.5	14.5 <sup>*1</sup>	48	650	1.2		
SGNH130M1H	3	51.9	13.9 <sup>*1</sup>	56.5	500	1.1		

\*1: Gp

Note: Tc=+25 $^{\circ}\text{C}$

## Product Photo

