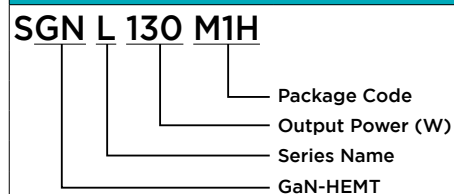


GaN HEMTs for General Purpose

Features

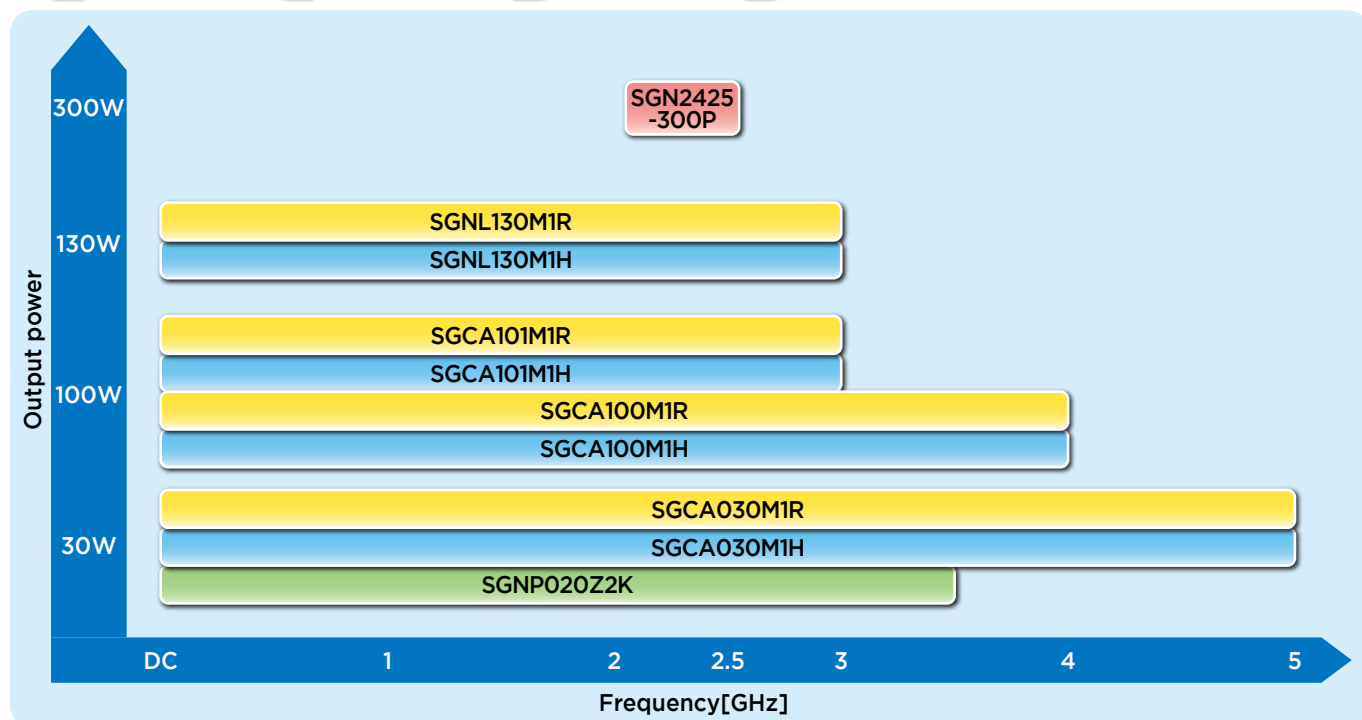
- High Power up to 315W(typ)
- High Efficiency
- CW Operable
- Concurrent Broadband Operation
- Small Flangeless Package

Naming Rules



GaN HEMTs for General Purpose Lineup

■ M2C Package
 ■ Z2K Package
 ■ M1R Package
 ■ M1H Package



Part Number	Freq. (GHz)	Operation	VDS (V)	Spec. frequency	Pout Typ. (dBm)	Gp Typ. (dB)	η_D Typ. (%)	Pkg
SGNP020Z2K	DC-3.5	CW	50	2.45	43.2	21.0 *1	70	Z2K
SGCA030M1H	DC-5	CW	50	5	45.5	9.5	53	M1H
SGCA030M1R	DC-5	CW	50	5	45.5	9.5	53	M1R
SGCA100M1H	DC-4	CW	50	3.9	50.5	14.5	48	M1H
SGCA100M1R	DC-4	CW	50	3.9	50.5	14.5	48	M1R
SGCA101M1H	DC-3	CW	50	3	50.1	12.1	56	M1H
SGCA101M1R	DC-3	CW	50	3	50.1	12.1	56	M1R
SGNL130M1H	DC-3.0	CW	50	3	51.9	15.9	56.5	M1H
SGNL130M1R	DC-3.0	CW	50	3	51.9	15.9	56.5	M1R
SGN2425-300P	2.4-2.5	CW	50	2.45	55 *2	22.0 *1	77	M2C

* 1 : Linear Gain
* 2 : P4dB

Product Photo

