Power GaN

GaN HEMTs for General Purpose

Features

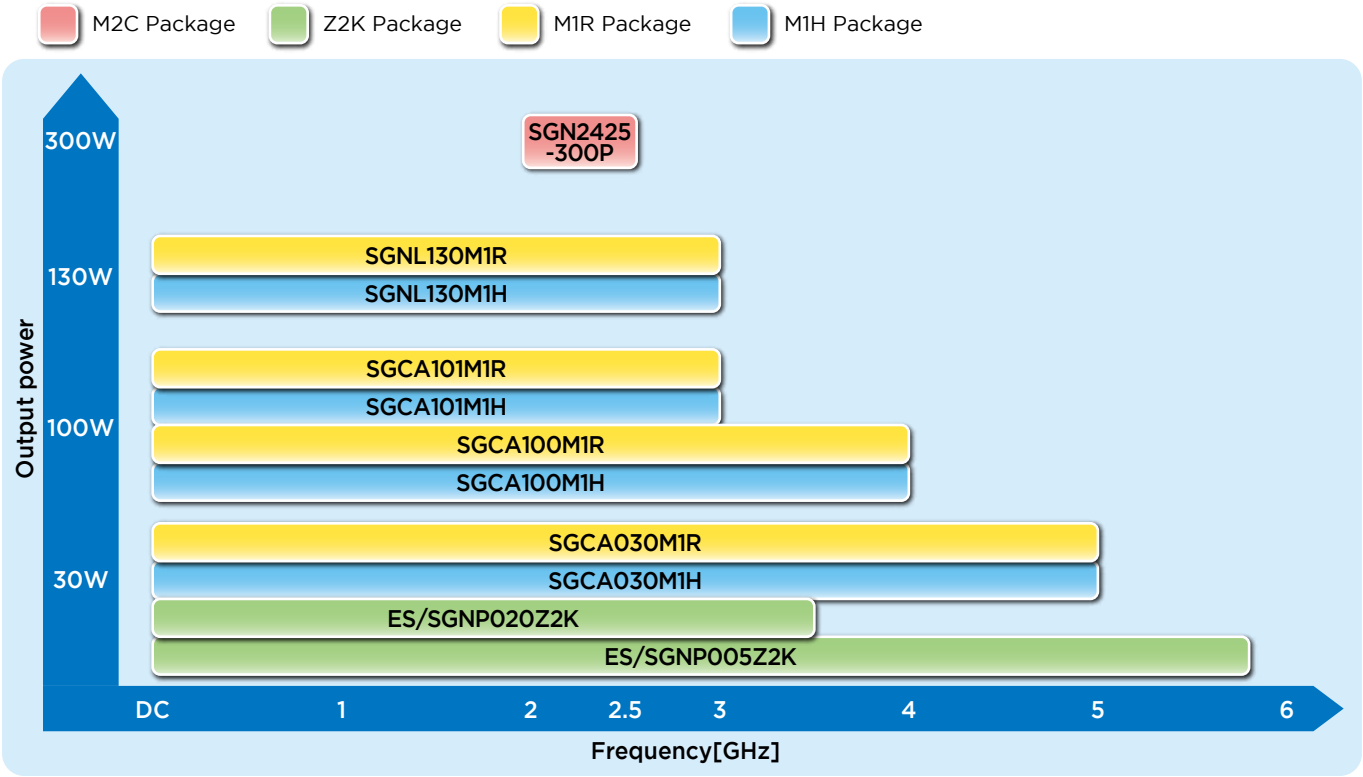
- High Power up to 315W(typ)
- High Efficiency
- CW Operable
- Concurrent Broadband Operation
- Small Flangeless Package

Naming Rules

SGN L 130 M1H

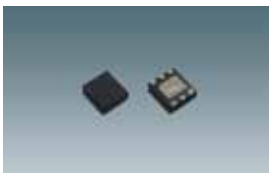
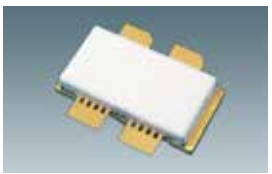
- M1H — Package Code
- 130 — Output Power (W)
- L — Series Name
- SGN — GaN-HEMT

GaN HEMTs for General Purpose Lineup



Part Number	Freq. (GHz)	Operation	VDS (V)	Spec. frequency	Pout Typ. (dBm)	Gp Typ. (dB)	ηD Typ. (%)	Pkg
ES/SGNP005Z2K	DC-5.8	CW	50	2.45	37.2	21.0 *1	70	Z2K
ES/SGNP020Z2K	DC-3.5	CW	50	2.45	43.2	21.0 *1	70	
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

M1H Package	M1R Package	Z2K Package	M2C Package