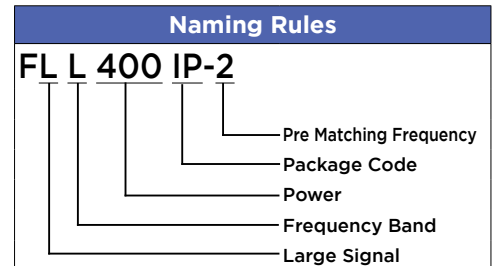


High Power GaAs FETs

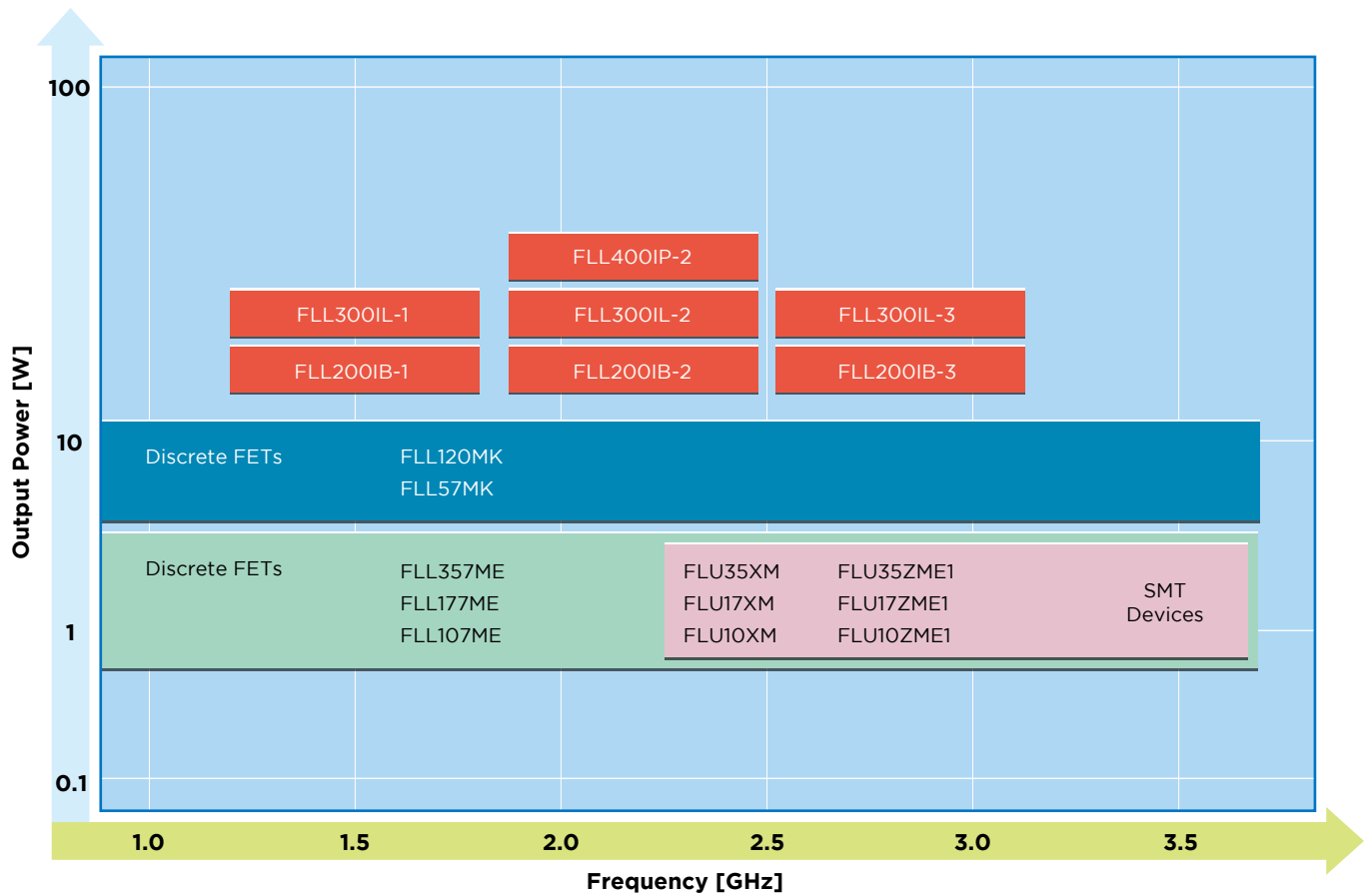
Sumitomo Electric has developed 40W - 80W high power Push-Pull GaAs FETs for Mobile Base Station applications such as Cellular, WCDMA, LTE and WiMAX. Additionally, plastic packaged devices are under development for cost driven systems.

Features

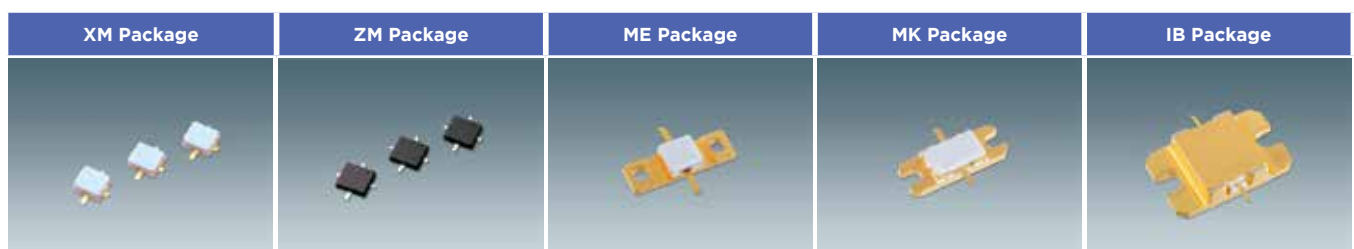
- High Output Power: Up to 40W
- High Gain
- Operating Voltage: 10V, 12V
- Proven Reliability



L-Band, S-Band High Output GaAs FET Lineup



Product Photo



Specifications

Part Number	Freq. Band	Series	P1dB (dBm)	G1dB (dB)	η_{add} (%)	Specified Freq. (GHz)	VDS (V)	IDS(DC) (mA)	Rth (°C/W)	Package
FLU10XM	L	FLU	29.5	14.5	47	2	10	180	25	XM
FLU10ZME1	L	FLU	29.5	13	46	2	10	180	15	ZM
FLU17XM	L	FLU	32.5	12.5	46	2	10	360	15	XM
FLU17ZME1	L	FLU	32.5	12.5	45	2	10	360	12	ZM
FLU35XM	L	FLU	35.5	12.5	46	2	10	720	7.5	XM
FLU35ZME1	L	FLU	35.5	11.5	45	2	10	720	5	ZM
FLL107ME	L	FLL	29.5	13.5	47	2.3	10	180	25	ME
FLL177ME	L	FLL	32.5	12.5	46	2.3	10	360	15	
FLL357ME	L	FLL	35.5	11.5	46	2.3	10	720	7.5	
FLL57MK	L	FLL	36.0	11.5	37	2.3	10	990	6.2	MK
FLL120MK	L	FLL	40.0	10	40	2.3	10	2200	3.3	
FLL200IB-1	L	FLL	42.5	13	35	1.5	10	4800	1.6	IB
FLL200IB-2	L	FLL	42.5	11	34	2.3	10	4800	1.6	
FLL200IB-3	L	FLL	42.5	11	34	2.6	10	4800	1.6	
FLL300IL-1	L	FLL	44.5	13	45	0.9	10	6000	1	IL
FLL300IL-2	L	FLL	44.5	12	44	1.8	10	6000	1	
FLL300IL-3	L	FLL	44.5	10	42	2.6	10	6000	1	
FLL400IP-2	L	FLL	45.5	10	44	1.96	12	2000	1	IP
FLC057WG	C	FLC	27.0	9	38	8	10	120	27	WG
FLC097WF	C	FLC	28.8	8.5	35	6	10	180	25	WF
FLC107WG	C	FLC	30.0	8	36	8	10	240	16	WG
FLC167WF	C	FLC	31.8	7.5	35	6	10	360	15	WF
FLC257MH-6*	C	FLC	34.0	9	36	6.4	10	600	8	MH
FLC257MH-8*	C	FLC	34.0	8	35	8.5	10	600	8	
FLX107MH-12*	X	FLX	30.0	7.5	33	12.5	10	240	15	
FLX207MH-12*	X	FLX	32.5	7	28	12.5	10	480	10	
FLK017WF	Ku	FLK	20.5	7.5	26	14.5	10	36	65	WF
FLK027WG	Ku	FLK	24.0	7	32	14.5	10	60	40	WG
FLK057WG	Ku	FLK	27.0	7	32	14.5	10	120	20	
FLK107MH-14*	Ku	FLK	30.0	6.5	31	14.5	10	240	15	MH

*: Partially Input/Output Matched

Product Photo

