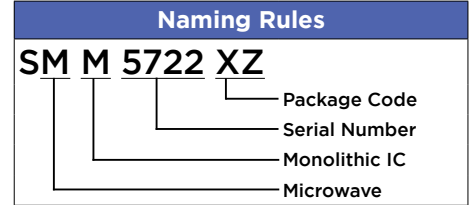


Ku to V Band Low Noise Amplifier MMICs

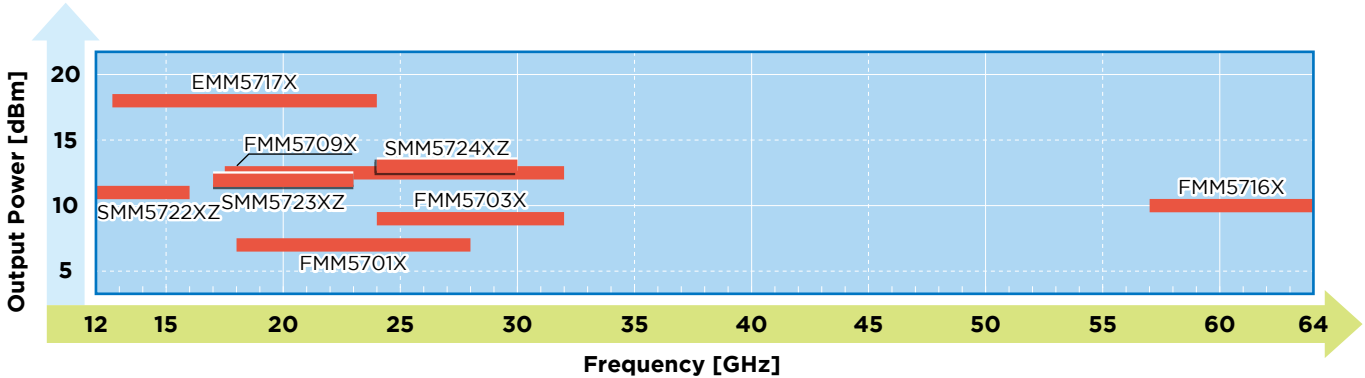
Sumitomo Electric provides GaAs Low Noise amplifier MMICs designed for VSAT and radio link receiver applications. The performance of low noise figure and high associated gain are achieved using pHEMT technology and EB lithography process. Sumitomo Electric has line-ups of MMIC products specified from Ku-band through V-band.

Features

- Input and Output Internally Matched $Z_{in}/Z_{out} = 50\Omega$
- Low Noise Figure
- High Gain
- Wide Band
- High Reliability Bare Die (X)
- Low Cost Surface Mount Device (XZ)
- RoHS Compliance (XZ)



Low Noise Amplifier MMIC Lineup



Specifications

Part Number	Freq. (GHz)	P1dB (dBm)	Gas (dB)	IIP3 (dBm)	NF (dB)	VDD(DC) (V)	IDD (DC) (mA)	IDD(RF) (mA)	Package	Application
SMM5722XZ	12-16	11	20	5	2.3	5	30	30	WLCSP	VSAT and Radio Link
EMM5717X	12.7-24	18	23	-	2.5	3	-	180	Die	
SMM5723XZ*	17-23	12	20	4	2.7	5	35	35	WLCSP	
FMM5709X	17.5-32	12.5	23	-	2.5	3	-	60	Die	
FMM5701X	18-28	7	13.5	-	1.5	5	12	12	Die	
SMM5724XZ*	24-30	13	20	4	3.2	5	80	80	WLCSP	
FMM5703X	24-32	9	18	-	2	3	20	20	Die	
FMM5716X	57-64	10	22	-	5	3	30	30	Die	

G.C.P.: Gain Compression Point *Under Development
 Note: Tc=+25°C or Ta=+25°C

Product Photo

