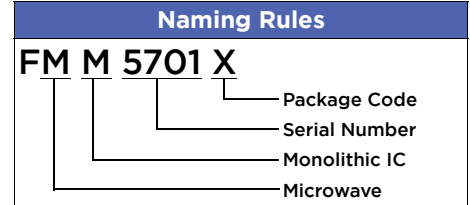


# Low Noise Amplifier MMICs (Die)

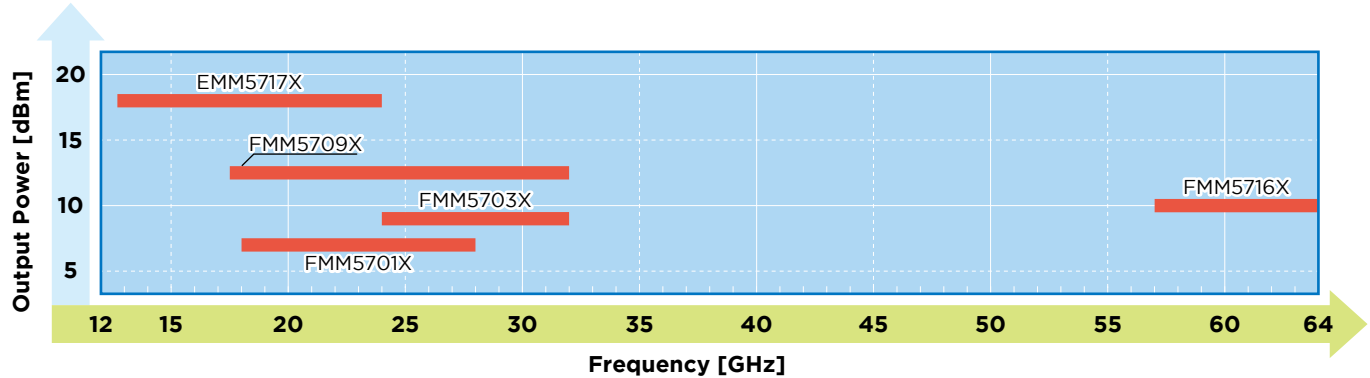
Sumitomo Electric provides GaAs Low Noise amplifier MMICs designed for VSAT and radio link receiver applications. The performance of low noise figure and high associated gain are achieved using pHEMT technology and EB lithography process. Sumitomo Electric has line-ups of MMIC products specified from 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 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
EMM5717X	12.7-24	18	23	-	2.5	3	-	180	Die	VSAT and Radio Link
FMM5709X	17.5-32	12.5	23	-	2.5	3	-	60		
FMM5701X	18-28	7	13.5	-	1.5	5	12	12		
FMM5703X	24-32	9	18	-	2	3	20	20		
FMM5716X	57-64	10	22	-	5	3	30	30		

G.C.P.: Gain Compression Point  
 Note: Ta=+25°C

## Product Photo

