



# MAXWELLON MXFS

0.9GHz ~ 18GHz

Microwave Synthesis Source(Broadband)

2023

A microwave signal source is a device that provides signals of various frequencies, waveforms, and output levels. It is used as equipment for measuring amplitude characteristics, frequency characteristics, transmission characteristics, and other electrical parameters in various telecommunications systems or devices, as well as for measuring the characteristics and parameters of components.

Signal generators, also known as signal sources or oscillators, have widespread applications in production and technology. Various waveform curves are represented using trigonometric functions. Circuits capable of generating multiple waveforms, such as triangular waves, sawtooth waves, square waves (including pulse waves), and sine waves, are known as function signal generators.

## ■ Key Feature

- **Thin-Film Hybrid Integration:** This technology ensures a compact design, low noise, and good consistency in performance.
- **Compact and Lightweight:** The amplifiers are characterized by their small physical footprint and lightweight construction, enhancing their suitability for different applications.
- **Affordability:** The MXFSseries provides cost-effective solutions, making it accessible for a range of applications without compromising on performance.
- **Short Delivery Cycles:** The amplifiers offer quick turnaround times, which can be crucial for projects with tight schedules.
- **High Performance:** Despite their small size and affordability, the MXFSseries maintains high performance, meeting the requirements of applications in radar, electronic warfare, communication systems, and more.
- **Versatile Applications:** Suitable for ground-based, shipborne, airborne, and other equipment requirements, the MXFSseries is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.

## ■ Specification

Model	Oscillation Frequency (GHz)	Frequency Stability (h)	Output Power (dBm)	Phase Noise dBc@100k	Phase Noise dBc@1k	Harmonic Suppression (dBc)	Clutter Suppression (dBc)	VSWR	Connector	Power
MXFS-009014G	0.9-1.4	10×10 <sup>-6</sup> /h	>13	-105	-80	<-20	<-70	2.0	SMA-50K	+12V
MXFS-018028G	1.8-2.8	10×10 <sup>-6</sup> /h	>13	-105	-80	<-20	<-70	2.0	SMA-50K	+12V
MXFS-020040G	2-4	10×10 <sup>-6</sup> /h	>13	-105	-80	<-20	<-70	2.0	SMA-50K	+12V
MXFS-025035G	2.5-3.5	10×10 <sup>-6</sup> /h	>13	-105	-80	<-20	<-70	2.0	SMA-50K	+12V
MXFS-040060G	4-6	10×10 <sup>-6</sup> /h	>13	-105	-80	<-20	<-70	2.0	SMA-50K	+12V
MXFS-053055G	5.3-5.5	10×10 <sup>-6</sup> /h	>13	-105	-72	<-20	<-70	2.0	SMA-50K	+12V
MXFS-052058G	5.2-5.8	10×10 <sup>-6</sup> /h	>13	-95	-72	<-20	<-70	2.0	SMA-50K	+12V
MXFS-086096G	8.6-9.6	10×10 <sup>-6</sup> /h	>13	-95	-72	<-20	<-70	2.0	SMA-50K	+12V
MXFS-105110G27	10.5-11	10×10 <sup>-6</sup> /h	>27	-95	-72	<-20	<-70	2.0	SMA-50K	+12V
MXFS-020080G	2-8	10×10 <sup>-6</sup> /h	>27	-95	-72	<-20	<-70	2.0	SMA-50K	+12V
MXFS-080012G	8-12	10×10 <sup>-6</sup> /h	>27	-95	-72	<-20	<-70	2.0	SMA-50K	+12V
MXFS-012018G	12-18	10×10 <sup>-6</sup> /h	>27	-95	-72	<-20	<-70	2.0	SMA-50K	+12V



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