



MAXWELLON MXSP

60MHz ~ 26.5GHz

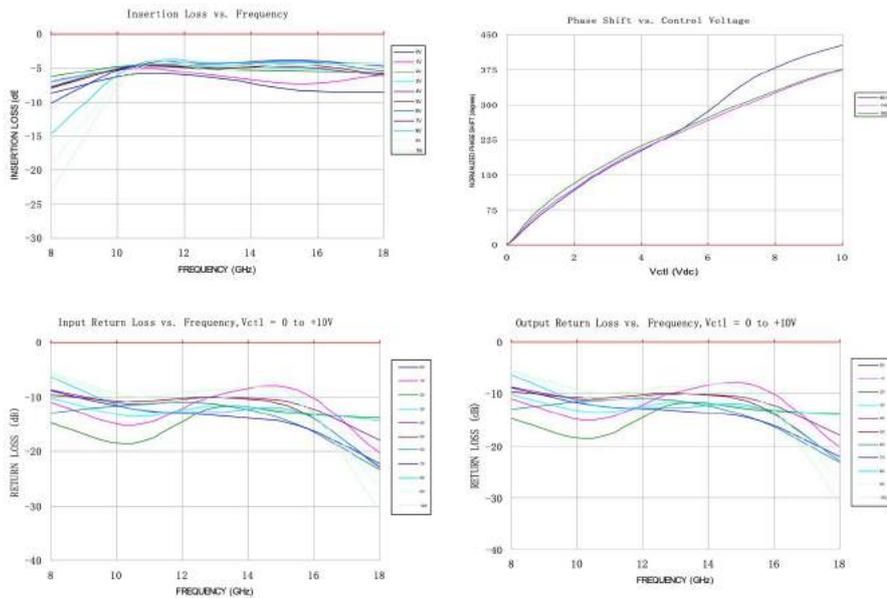
Analog Phase Shifter (Electrically Controlled)

2023

MXSP Digital Phase Shifter is a key component in wireless communication, phased array systems, PAM4 transceivers, and other systems. It is used to change the phase of the signal. Full Wave Electronics has been providing a variety of microwave general products and components to the microwave electronics market for a long time.

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 MXSP series 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 MXSP series 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 MXSP series is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.



Specification

Model	Frequency (GHz)	Phase Change Range(deg)	Insertion Loss (dB)	Return Loss (dB)	Input IP3 (dBm)	Control Voltage Range(V)	Modulation Bandwidth (MHz)	Voltage Sensitivity of Phase(deg/Volt)	Temperature Sensitivity of Phase(deg/ C)
MXSP-010020G3-VA	1~2	0~360°	5.0	-10	30	0~13	5	30	0.4
MXSP-020040G3-VA	2~4	0~360°	5.0	-10	30	0~13	5	45	0.4
MXSP-040080G3-VA	4~8	0~360°	6.0	-10	30	0~13	5	45	0.4
MXSP-080120G3-VA	8~12	0~360°	5.0	-10	30	0~13	5	45	0.4
MXSP-080180G3-VA	8~18	0~360°	7.0	-10	30	0~13	5	45	0.4
MXSP-060080M1-VA	60M-80MHz	0~360°	2.0	-10	30	0~15	5	30	0.4
MXSP-070100M3-VA	70-100MHz	0~360°	3.0	-10	23	0~15	5	30	0.4
MXSP-220470M3-VA	220-470MHz	0~360°	5.0	-10	23	0~15	5	30	0.4
MXSP-005010G3-VA	0.5-1	0~360°	5.0	-10	23	0~15	5	30	0.4
MXSP-180260G3-VA	18-26.5	0~360°	6.0	-10	23	0~15	5	30	0.4



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