



MAXWELLON MXSP

0.06GHz ~ 26GHz

Digital Phase Shifter (6 bit Control)

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)	Step(deg)	Control Digits	Fixed Insertion Loss	Max. Inlet Power (dBm)	Connector	Dimensions
MXSP-060080M3-VD-6	0.06~0.08	0~337.5°	22.5°	6 bit	4dB	23dBm	SMA-K	45×43×14mm
MXSP-140190M3-VD-6	0.14~0.19	0~354.375°	5.625°	6 bit	3dB	23dBm	SMA-K	45×43×14mm
MXSP-170250M3-VD-6	0.17~0.25	0~354.375°	5.625°	6 bit	5.5dB	27dBm	SMA-K	45×43×14mm
MXSP-004010G3-VD-6	0.4~1	0~348.7°	11.25°	6 bit	3dB	23dBm	SMA-K	45×43×14mm
MXSP-010020G3-VD-6	1~2	0~354.375°	5.625°	6 bit	6dB	23dBm	SMA-K	45×43×14mm
MXSP-020040G3-VD-6	2~4	0~354.375°	5.625°	6 bit	5dB	27dBm	SMA-K	45×43×14mm
MXSP-040080G3-VD-6	4~8	0~354.375°	5.625°	6 bit	6dB	10dBm	SMA-K	45×43×14mm
MXSP-080120G3-VD-6	8~12	0~354.375°	5.625°	6 bit	6dB	15dBm	SMA-K	45×43×14mm
MXSP-120180G3-VD-6	12~18	0~354.375°	5.625°	6 bit	6dB	10dBm	SMA-K	45×43×14mm
MXSP-180260G3-VD-6	18~26	0~354.375°	5.625°	6 bit	6dB	23dBm	2.92-K	45×43×14mm



MAXWELLON

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