

# MAXWELLON MXTCPA

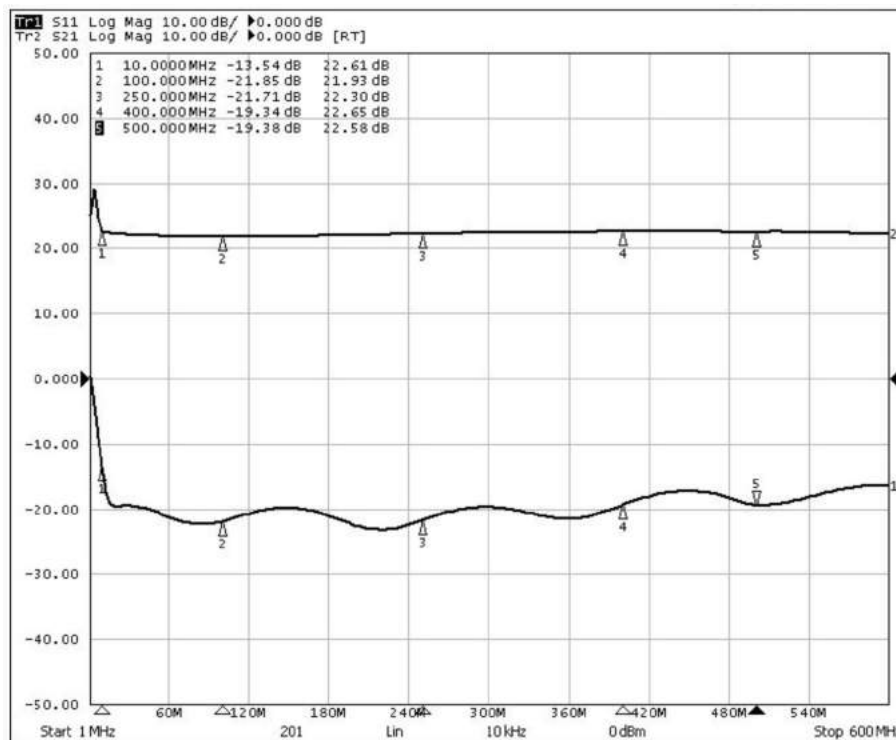
300MHz to 1200MHz

Image Transmission Linear Amplifier  
2023

The MXTCPA Image Transmission Linear Amplifier cover a frequency range from 300MHz to 1200MHz. They utilize thin-film hybrid integration technology, offering features such as broad frequency bandwidth, low noise, and excellent consistency. Additionally, these amplifiers have the advantages of compact size, lightweight design, affordability, short delivery cycles, and high performance.

## ■ Key Feature

- **Frequency Range:** 300MHz to 1200MHz - The MXTCPA series is designed to operate across a wide frequency spectrum, making it versatile for various applications.
- **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 MXTCPA 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 MXTCPA 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 MXTCPA series is a versatile choice for radar systems, electronic warfare applications, communication systems, and more.



## ■ Specification

Model	Min	Max	Gain (dB)	P1 (dBm)	NF (dB)	Gain Flatness (±dB)	VSWR	Operating Voltage	Connector	Dimensions (mm)
MXTCPA-330400M05	300MHz	400MHz	37	37(5W)	-	0.5	1.3	8-20V	SMA-K	60*40*13
MXTCPA-400470M05	400MHz	470MHz	37	37(5W)	-	0.5	1.3	8-20V	SMA-K	60*40*13
MXTCPA-400500M05	400MHz	500MHz	37	37(5W)	-	0.5	1.3	8-20V	SMA-K	60*40*13
MXTCPA-500600M05	500MHz	600MHz	37	37(5W)	-	0.5	1.3	8-20V	SMA-K	60*40*13
MXTCPA-600800M05	600MHz	800MHz	37	37(5W)	-	0.5	1.3	8-20V	SMA-K	60*40*13
MXTCPA-11001200M05	1100MHz	1200MHz	37	37(5W)	-	0.5	1.3	8-20V	SMA-K	60*40*13



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