

EPSON'S LOW PHASE NOISE M-SERIES TCXOS

– Tight stability and superior aging –

Epson Europe Electronics (“Epson”) presents the TG2016SMN and TG2520SMN TCXOs with a supply voltage of 1.7-3.36 V that deliver superior performance to enable stable and reliable communications and are designed for wireless applications such as Wi-Fi, GPS, cellular, LPWA for IoT, and 2-way radio.

M-series TCXOs use an Epson-developed and fabricated IC and MHz crystal. Through this technology, Epson’s M-series TCXOs achieve very low phase noise of -164 dBc/Hz @ 26 MHz, tight frequency stability < ± 0.5 ppm, and superior aging < ± 0.5 ppm/year over the industrial temperature range.

Epson’s M-series TCXOs are available in industry-standard miniature sizes (2.0 x 1.6 x 0.80 mm³ and 2.5 x 2.0 x 0.81 mm³) covering common frequencies 10 MHz up to 55 MHz.

Features

- Epson MHz crystal + IC
- Low Noise Floor: -164 dBc/Hz @ 26 MHz
- Tight temperature stability over industrial range: ± 0.5 or ± 2.0 ppm -40 to +85 °C
- Superior aging: < ± 0.5 ppm/year
- Small Sizes: 2.0 x 1.6 x 0.80 mm and 2.5 x 2.0 x 0.81 mm
- Standard frequencies: 10 MHz - 55 MHz

Please see the link below for further details about these products.

<https://www5.epsondevice.com/en/products/tcxo/tg2520smn.html>

<https://www5.epsondevice.com/en/products/tcxo/tg2016smn.html>

About Epson

Epson is a global technology leader dedicated to becoming indispensable to society by connecting people, things and information with its original efficient, compact and precision technologies. The company is focused on driving innovations and exceeding customer expectations in inkjet, visual communications, wearables and robotics. Epson is proud of its contributions to realizing a sustainable society and its ongoing efforts to realizing the United Nations’ Sustainable Development Goals.

Led by the Japan-based Seiko Epson Corporation, the worldwide Epson Group generates annual sales of more than US\$10 billion. global.epson.com/

About Epson Europe Electronics GmbH

Epson Europe Electronics GmbH is a marketing, engineering and sales company and the European Headquarters for electronic devices of the Seiko Epson Corporation, Japan. Since 1989 headquartered in Munich/Germany with 50 employees, Epson Europe Electronics GmbH has several European sales representatives and has a European-wide network of distributors. Epson Europe Electronics provides value added services for Semiconductors, Sensors, Sensing Systems and Timing Devices targeted to all markets like industrial, automotive, medical and communication. Epson products are recognized for energy saving, low power, small form factors and rapid time to market. Information about Epson Europe Electronics GmbH is available in the Internet under www.epson-electronics.de