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Data Sheet

August 15, 2026

EIP

EIP 588C Microwave Pulse Frequency Counter

EIP Phase Matrix 588C Pulse CW Microwave Frequency Counter 26.5 GHz The EIP 588C isapulse/CW microwave frequency counter. OEM 585C/588C/595A/598A data sheet lists Band 1/2 coverage 0.95–26.5 GHz (588C/598A) with sensitivity -20 dBm (0.95–2 GHz), -25 dBm (2–12.4 GHz), -20 dBm (12.4–20 GHz), -15 dBm (20–26.5 GHz). CW range is also listed 100 Hz–26.5 GHz in 588C product listings, with pulsed RF 250 MHz–26.5 GHz, pulses as narrow as 50 ns, PRF 250 ns to 1 s, and Inhibit-In windows as narrow as 15 ns. Input is 3.5 mm, 50 Ω nominal, +7 dBm operating, +45 dBm CW damage, +53 dBm peak pulsed. IEEE-488 is standard. Optional Band 3 extends to 170 GHz. Optional oven timebase aging is $<5 \times 10^{-10}$ /day. The EIP 588C isapulse/CW microwave frequency counter. OEM 585C/588C/595A/598A data sheet lists Band 1/2 coverage 0.95–26.5 GHz (588C/598A) with sensitivity -20 dBm (0.95–2 GHz), -25 dBm (2–12.4 GHz), -20 dBm (12.4–20 GHz), -15 dBm (20–26.5 GHz). CW range is also listed 100 Hz–26.5 GHz in 588C product listings, with pulsed RF 250 MHz–26.5 GHz, pulses as narrow as 50 ns, PRF 250 ns to 1 s, and Inhibit-In windows as narrow as 15 ns. Input is 3.5 mm, 50 Ω nominal, +7 dBm operating, +45 dBm CW damage, +53 dBm peak pulsed. IEEE-488 is standard. Optional Band 3 extends to 170 GHz. Optional oven timebase aging is $<5 \times 10^{-10}$ /day. CW and pulsed microwave frequency counting to 26.5 GHz, with optional mmWav



MODEL

EIP 588C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

588C

LISTING

<https://aumictechlabs.com/products/588c-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EIP 588C is a frequency counter designed for measuring pulse and continuous wave (CW) signals. This instrument is capable of handling frequencies up to 26 GHz. Its primary function is to accurately determine the frequency of electronic signals, making it suitable for applications in electronics testing, research and development, and telecommunications. Technical Specifications

- * Manufacturer: EIP Microwave Model: 588C Product Type: Frequency Counter Signal Types: Pulse, Continuous Wave (CW) Maximum Frequency: 26 GHz Minimum Frequency (Channel 1): 100 Hz Number of Channels: 1 Interfaces * No specific interface details were found in the provided documentation.

Physical Characteristics

- * Form Factor: Benchtop Compatibility * This product is a standalone test and measurement instrument and does not have specified compatibility requirements with other systems based on the provided information.

Why Choose Aumictech for EIP 588C? At Aumictech, we specialize in supplying high-end test and measurement equipment. Whether you need the EIP 588C for precise frequency measurements, rapid signal analysis, or reliable performance in demanding test environments, our team ensures the EIP 588C delivers maximum performance for your application.

588C Characteristics / Specifications

PARAMETER	VALUE
Model	588C
Instrument Type	Pulse/CW microwave frequency counter
Microwave Band	0.95 to 26.5 GHz (588C/598A)
Cw Listing	100 Hz to 26.5 GHz
Pulsed Rf Range	250 MHz to 26.5 GHz
Minimum Pulse Width	50 ns repetitive pulsed RF
Prf Range	250 ns to 1 second
Inhibit Window	as narrow as 15 ns
Sensitivity 0.95 To 2 Ghz	-20 dBm
Sensitivity 2 To 12.4 Ghz	-25 dBm
Sensitivity 12.4 To 20 Ghz	-20 dBm
Sensitivity 20 To 26.5 Ghz	-15 dBm
Input Connector	3.5 mm
Input Impedance	50 Ω nominal
Operating Level	+7 dBm
Damage Cw	+45 dBm CW
Damage Peak	+53 dBm peak pulsed ($\leq 1 \mu\text{s}$ pulse, 0.1 % duty cycle)
Display	9 digit sectionalized LED
Interface	IEEE-488 standard
Band 3 Extension	optional to 170 GHz (5804)
Oven Timebase	optional 5809 aging $< 5 \times 10^{-10}$ /day
Manufacturer	EIP Phase Matrix
Literature	EIP Phase Matrix 585C 588C 595A 598A data sheet
Family	EIP 58x/59x pulse CW counters
Brand Lineage	EIP Phase Matrix

PARAMETER	VALUE
Form Factor	benchtop microwave counter
System Role	26.5 GHz pulse/CW counter
Use Case	pulsed radar and CW microwave frequency
Documentation Type	OEM 588C data sheet
Year Class	EIP 588C
Application Class	microwave frequency metrology
Vendor Path	EIP Phase Matrix

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Vendor Path	EIP Phase Matrix

Notes

From EIP Phase Matrix 585C/588C/595A/598A data sheet and 588C listings (0.95–26.5 GHz, sensitivity table, 3.5 mm, 50 ns pulses, IEEE-488). Timebase aging without 5809 and full gate-time table are on the same data sheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.