

Sydor Comb Generator Product Overview & Specifications

PRELIMINARY SPECIFICATIONS

Four Frequency 500 MHz, 1 GHz, 2.5 GHz, 5 GHz Comb Generator

- ⊕ **Internal Reference:** 75.997870 MHz
- ⊕ **Mode:** Continuous or gated
- ⊕ **Jitter:** < 100 fs
- ⊕ **Connectors:** SC, BNC for trigger in & external reference, SMA for monitor out
- ⊕ **Dimensions:** 14.1" x 8.41" x 3.16"
- ⊕ **Additional Features:** Digital display interface, serial communications via ethernet/USB and optional passive frequency doubler for 10 GHz operation

3 GHz/1 GHz Comb Generator

- ⊕ **Internal Reference:** 75.997878 MHz
- ⊕ **Mode:** Continuous or gated
- ⊕ **Jitter:** < 5 ps
- ⊕ **Connectors:** SC, BNC for trigger in and external reference, SMA for monitor out
- ⊕ **Dimensions:** 12 3/4" x 7" x 3 3/4"

2 GHz/500 MHz Comb Generator

- ⊕ **Internal Reference:** 75.997878 MHz
- ⊕ **Mode:** Continuous or gated
- ⊕ **Jitter:** < 5 ps
- ⊕ **Connectors:** SC, BNC for trigger in and external reference, SMA for monitor out
- ⊕ **Dimensions:** 12 3/4" x 7" x 3 3/4"

1 GHz/500 MHz Comb Generator

- ⊕ **Internal Reference:** 75.997878 MHz
- ⊕ **Mode:** Continuous or gated
- ⊕ **Jitter:** < 5 ps
- ⊕ **Connectors:** SC, BNC for trigger in and external reference, SMA for monitor out
- ⊕ **Dimensions:** 12 3/4" x 7" x 3 3/4"

200 MHz/35 MHz Comb Generator

- ⊕ **Internal Reference:** N/A
- ⊕ **Mode:** Continuous or gated
- ⊕ **Jitter:** < 5 ps
- ⊕ **Connectors:** SC, BNC for trigger in and external reference, SMA for monitor out
- ⊕ **Dimensions:** 12 3/4" x 7" x 3 3/4"



Features:

- ⊕ Reliable temporal reference
- ⊕ Dual frequency design, various models available
- ⊕ Low jitter performance for maximum reliability
- ⊕ Manual calibration tool for ROSS Streak Cameras

Applications:

- ⊕ Temporal calibration for streak cameras, gated imagers, and photomultiplier tubes.

