



产 品 手 册

仪器型号: SRS斯坦福同轴延迟DB64

西安安泰测试科技有限公司

仪器维修|租赁|销售|测试

RG58A/U Coax Delay

DB64 — RG58A/U coax delay



DB64 Coax Delay

- Switch controlled time delays
 - 0 to 63.5 ns delay range
 - 0.5 ns resolution
 - Low reflections and feed-through
-
- DB64 ... \$695 (U.S. list)

The DB64 Coax Delay Box provides switch-controlled delays from 0 to 63.5 ns with 0.5 ns resolution. Applications include the timing of photomultiplier coincidences, set-up of time-to-amplitude converters, adjustment of signal phase, or any application which requires high-bandwidth analog delays.

The interchangeable inputs/outputs are on BNC connectors. Internally, the delay line segments consist of accurate lengths of RG58A/U coax cable with 50 Ω characteristic impedance. DPDT switches are used to insert or remove delay segments. Careful component selection, mechanical design, and PCB layout ensure low reflections and low switch feed-through.

Two DB64s can be mounted side-by-side in a 19" rack using the RM1U rack mount accessory. A chassis lug is provided on the rear panel as a safety ground.

Specifications

Signal

| | |
|---------------------|-------------|
| Maximum voltage | 250 Vrms |
| Maximum current | 2 A |
| Connectors | BNC |
| Impedance | 50 Ω |
| Signal reflection | <3 % |
| Switch feed through | <0.8 pF |

Delay

| | |
|------------------|--------------------------|
| Delay line cable | RG58A/U (Belden 8259) |
| Insertion delay | 2.5 ns |
| Delay range | 0 to 63.5 ns |
| Delay resolution | 0.5 ns |
| Delay error | <100 ps + 0.5 % of delay |

General

| | |
|------------|--|
| Dimensions | 8.3" \times 1.5" \times 8.0" (WHL) |
| Weight | 2 lbs. |
| Warranty | One year parts and labor on defects in materials & workmanship |