

# Features

- Converts 10 MHz to 10.23 MHz
- Rack Mount or Bench top
- Compact & Light weight
- Accepts 10 MHz Frequency Reference



# DISTRIBUTION MODULES

## 6703 10.23 MHz Synthesizer



# Overview

The Datum 6703 is a three channel, RF synthesizer packaged in a 1U rack mount chassis. It is comprised of three low phase noise RF synthesizers that maintain high channel isolation (>100dB).

The 6703 accepts a 10MHz input signal at 1Vrms amplitude and provides three buffered 10.23MHz outputs. Each output

and input has an alarm indicator that warns of either a loss of signal or a signal of insufficient amplitude.

The 6703 is also available in custom configurations. Please contact Datum - TT&M with any specific requirements.



# datum

Timing, Test & Measurement

# 6703 10.23 MHz Synthesizer



## Specifications

### ELECTRICAL SPECIFICATIONS

#### Output

Frequency 10.23 MHz,  
Level 1 V rms (nominal)/50Ω  
Connector BNC

#### RF Input

Frequency 10 MHz  
Level 1 V rms (nominal)/50Ω  
Connector BNC

#### Alarm Output

Form-C Contacts ALARM: Short pins 1-2  
No ALARM: Short pins 1-3  
Connector 9 pin D-male

### ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

Temperature (operating) 0° C to 55° C

Humidity 0 to 95%, non-condensing

#### Power Requirements

AC Input (±15%) 120 or 230 V AC, <10W

#### Dimensions

Height 1U (~1.75 inches)  
Width 19 Inches  
Depth 12 Inches

#### Weight

<10 lbs.

Options	Option P/N
• Front mounted connectors	502

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Specifications subject to change without notice.