

Features

- Superior IRIG B Signal Distribution
- High Channel Isolation
- Rack Mount or Bench top
- Ten Channel Output Distribution
- Compact & Light weight
- Daisy Chain For More Than 100 Outputs



DISTRIBUTION MODULES

6504 IRIG-B Distribution Module



Overview

The DATUM 6504 Distribution Module is a ten channel, IRIG-B distribution amplifier packaged in a 1U rack mount chassis. It is comprised of ten low phase noise RF amplifiers that maintain high channel isolation (>100dB). Up to ten units can be daisy chained together to give up to 100 outputs or each output of one unit can be

used as a source for other 6504 units to give almost infinite expansion capability with virtually no signal degradation.

The 6504 standard configuration accepts an IRIG-B time code signal in DCLS form and provides 10 buffered IRIG-B outputs. Each output and input has an alarm indi-

cator that warns of either a loss of time code or a time code of insufficient amplitude.

The 6504 is also available in custom configurations. Please contact Datum - TT&M with any specific requirements



datum

Timing, Test & Measurement

6504 IRIG-B Distribution Module

Specifications

ELECTRICAL SPECIFICATIONS

Time Code Outputs (ten)

Code Format	IRIG-B (DCLS Form)
Modulation Frequency	1kHz
Modulation Ratio	3:1
Amplitude	≤ 3 V P-P

Time Code Input

Code Format	IRIG-B (DCLS Form)
Modulation Frequency	1kHz
Modulation Ratio	3:1
Amplitude	≤ 3 V P-P

Controls & Indicators

Summary alarm indicates failure of any output signal or power loss

Power	Green LED, power is connected
Alarm	Red LED, signal output failure
Alarm Override	Toggle Switch:
(optional for 6504B)	Up = Alarm Enabled
	Down = Alarm Disabled

ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

Temperature (operating)	0° C to 55° C
Relative Humidity	0 to 95 %,non-condensing

Power Requirements

AC Input (±15%)	120 or 230 V AC, <10W
DC Input (option)	22 to 56 V DC, 10W

Dimensions

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

Weight	<10 lbs
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Options	Option P/N
• Front mounted connectors	502



Specifications subject to change without notice.