



MINIATURE FAST-RISE PULSER



Actual Size

The TU-5 tunnel-diode pulser generates a fast-rise, flat-top square wave designed to aid in adjustment of transient response of the Tektronix 80-Series Plug-In Units. It can also be used with letter series and sampling plug-in units. When used with letter-series plug-in units the pulser is sufficiently fast to show the rise-time of the oscilloscope and plug-in unit.

The oscilloscope calibrator output provides the proper input to the pulser. The TU-5 can be driven from the Type 105 Square-Wave Generator, using a TU-5/105 Adapter.

A bias adjustment on the pulser provides for changes in tunnel-diode characteristics due to temperature variations, tolerance, or other variables.

CHARACTERISTICS

RISETIME—less than or equal to 1.5 nsec into 50 ohms.

AMPLITUDE—at least 200 mv with 50-ohm termination, 20 mv with 10X attenuator and 50-ohm termination.

PULSE WIDTH—about 0.5 msec, dependent on oscilloscope calibrator output, (oscilloscope calibrator is 1 kc).

OUTPUT IMPEDANCE—50 ohms (25 ohms when used with 50 ohm termination).

SOURCE VOLTAGE—100 volt square wave (10 ma) from the oscilloscope calibrator output, or with a TU-5/105 Adapter, from the Type 105 Square-Wave Generator, providing output frequencies up to 1 Mc.

REPETITION RATE—same as source voltage (1 kc from oscilloscope calibrator output).

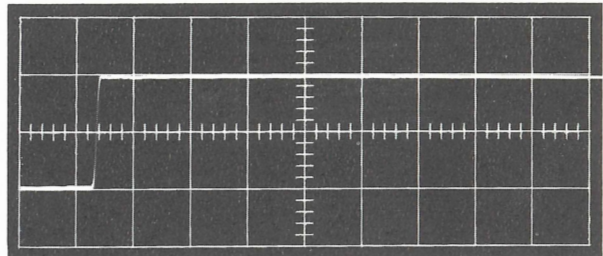
BNC CONNECTORS—for input and output.

TU-5 PULSER (part no. 015-038)

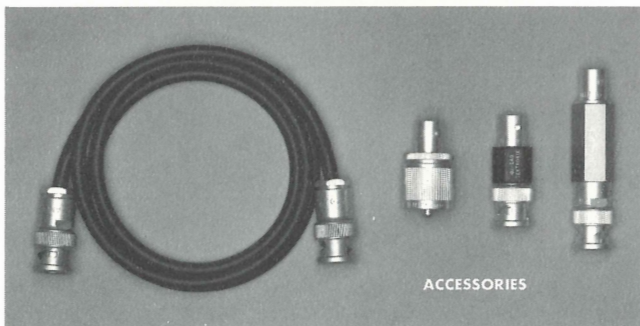
TU-5 PULSER with accessories (part no. 015-043)

Includes one each: 50-ohm 10X BNC attenuator, 50-ohm BNC termination, BNC cable, UHF to BNC adapter. U.S. Sales Prices f.o.b. Beaverton, Oregon

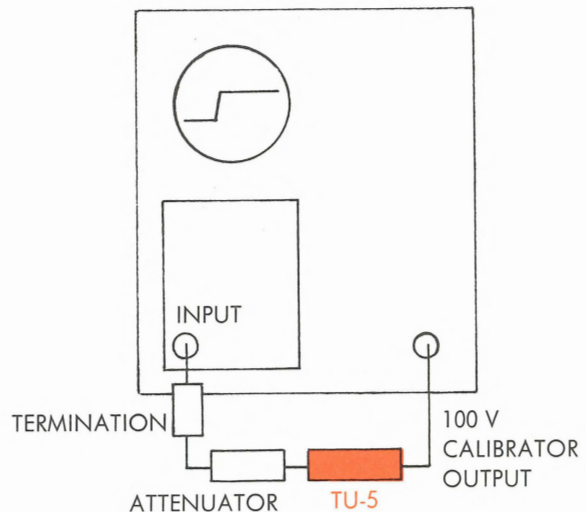
TU-5/105 ADAPTER (part no. 013-075)



Fast-rise square wave from TU-5 Pulser with Type 86 Plug-In Unit and Type 585 Oscilloscope—50 nsec/cm sweep speed, taken with Tektronix Type C-12 Camera.



ACCESSORIES



Fast-rise square wave from oscilloscope calibrator output—with TU-5 Pulser and optional accessories.

Tektronix, Inc. / P. O. BOX 500 · BEAVERTON, OREGON / Mitchell 4-0161 · TWX-503-291-6805 · Cable: TEKTRONIX. OVERSEAS DISTRIBUTORS IN 27 COUNTRIES AND HONOLULU, HAWAII.

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