

067-0102-00

Pocket Time Mark Generator

This battery operated, self-contained unit generates either 1 millisecond or 10 microsecond markers. At room temperature the accuracy of this device is better than .1%. The output amplitude is typically 5-8 volts with a fresh battery. A weak battery will be observed by a sizeable drop in amplitude. The frequency will remain practically unchanged.

The generator is turned on when a ground lead is plugged into the rear panel. The lead also serves as the ground return to the instrument receiving the signal.

The 9 volt battery is the common type used for small transistor radios. It may be ordered from Customer Material Support by IOC or purchased from any local supply house using the NEDA 1604 number.

PMPC/sw

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TIME-MARK GENERATOR

| Part Number | Quan. | Description | |
|---------------|-------|---|-------------------------------|
| | 2 | Spacer, nylon | Dwg. #695-A |
| | 1 | Plate, back | Dwg. #884-B |
| | 1 | Plate, front | Dwg. #884-B (S/S Dwg. #883-B) |
| | 1 | Chassis, top | Dwg. #886-B (S/S Dwg. #883-B) |
| | 1 | Chassis, bottom | Dwg. #886-B |
| | 1 | Board, etched circuit | EC #E-825 |
| | 1 | Crystal, 100KC | Special purchase |
| | 1 | Crystal, 101KC | Special purchase |
| | 1 | Battery, 9-volt NEDA #1604 | Special purchase |
| | 1 | Battery clip | Special purchase |
| | 1 | Schematic insert for top | Printing |
| 252-0522-00 | 1 | Transformer paper 5 15/16 x 2 1/4 (cut and special punch) | |
| 253-0028-00 | 1 | Tape, polyurethane sponge 1 5/8" | |
| 253-0028-00 | 1 | Tape, polyurethane sponge 1 1/2" | |
| 108-0204-00 | 2 | Coil, fixed 3.9mh | |
| E 136-0094-00 | 1 | Socket, tini jax (MODIFIED) | Dwg. #1574-A |
| 136-0138-00 | 1 | Socket, banana jack ass'y (black) | |
| 151-0007-00 | 5 | Transistor, 2N270 | |
| 151-0048-00 | 3 | Transistor, 2N1632 | |
| 152-0008-00 | 1 | Diode, T12G | |
| 175-0529-00 | 1 | Wire, #26 strand. 9-2 4-1/2" | |
| 175-0529-00 | 1 | Wire, #26 strand. 9-3 3 1/4" | |
| 175-0529-00 | 1 | Wire, #26 strand. 9-4 1 3/4" | |
| 175-0529-00 | 1 | Wire, #26 strand. 9-5 1 3/4" | |
| 175-0529-00 | 1 | Wire, #26 strand. 9-6 4 1/2" | |
| 175-0529-00 | 1 | Wire, #26 strand. 9-0 1 3/4" | |
| 210-0223-00 | 1 | Lug, solder 1/4" | |
| 210-0406-00 | 4 | Nut, hex 4-40 x 3/16 | |
| 210-0465-00 | 2 | Nut, hex, 1/4-32 x 3/8 x 3/32 | |

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| Part Number | Quan. | Description |
|-------------|-------|--------------------------------|
| 210-0895-00 | 1 | Washer, nylon black shouldered |
| 211-0007-00 | 8 | Screw, 4-40 x 3/16 PHS Phil. |
| 211-0008-00 | 4 | Screw, 4-40 x 1/4 PHS PHIL |
| 260-0212-00 | 1 | Switch, slide, DPDT |
| 281-0528-00 | 1 | Capacitor, cer. 82pf 500V |
| 283-0000-00 | 5 | Capacitor, Discap .001μfd 500V |
| 283-0004-00 | 1 | Capacitor, discap .02μfd 150V |
| 283-0005-00 | 1 | Capacitor, discap .01μfd 250V |
| 283-0026-00 | 1 | Capacitor, discap .2μfd 25V |
| 283-0032-00 | 2 | Capacitor, discap 470pf 500V |
| 290-0106-00 | 2 | Capacitor, 10μf 15V |
| 316-0101-00 | 1 | Resistor, 100Ω 1/4W 10% |
| 316-0104-00 | 1 | Resistor, 100K 1/4W 10% |
| 316-0105-00 | 1 | Resistor, 1M 1/4W 10% |
| 316-0152-00 | 2 | Resistor, 1.5K 1/4W 10% |
| 316-0184-00 | 2 | Resistor, 180K 1/4W 10% |
| 316-0222-00 | 2 | Resistor, 2.2K 1/4W 10% |
| 316-0223-00 | 1 | Resistor, 22K 1/4W 10% |
| 316-0332-00 | 2 | Resistor, 3.3K 1/4W 10% |
| 316-0472-00 | 1 | Resistor, 4.7K 1/4W 10% |
| 316-0562-00 | 2 | Resistor, 5.6K 1/4W 10% |
| 316-0682-00 | 1 | Resistor, 6.8K 1/4W 10% |
| 316-0822-00 | 1 | Resistor, 8.2K 1/4W 10% |
| 348-0002-00 | 4 | Grommet, rubber 1/4" |
| | 1 | Packaging info |