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(Qty 8) 10-Meter QRP HAM TRANSMITTERS - Novice / Tech+

Item number: 370158657505

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Buy It Now price: US \$10.95 Buy It Now >

Deal alert: Less than \$20 per item, including shipping.

End time: Mar-14-09 08:37:24 PDT (20 days 1 hour)

Shipping: US \$3.20 (discount available) US Postal Service First Class Mail® Service to United States

Ships to: United States

Item location: South Central, United States

Quantity: 4 lots available (8 items each)

Cost per item: US \$1.37 each (Not sold individually)

History: Purchases

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Listing and payment details: Hide

Starting time: Feb-12-09 07:37:24 PST

Payment methods: PayPal

Duration: 30-day listing

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Meet the seller

Seller: pbsn6040 (4276 ★) me

Feedback: 100 % Positive

Member: since Mar-02-03 in United States

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1. Check the seller's reputation

Score: 4276 | 100% Positive

See detailed feedback

2. Check how you're protected



Returns: Seller accepts returns.

7 Days Money Back

Description

Combine AUCTIONS to Reduce Shipping / Handling Costs Fast e-Mail Fast Shipping Guaranteed Good

START YOUR ELECTRONIC ADVENTURE HERE!

NOVICE

TECH+

10 Meter QRP Transmitters

28.322 MHz

Sold in lots of **(8)** units.

Datasheet: [Epson SG-531PT](#) (78K PDF) Catalog Datasheet: [Epson SG-531 C](#)

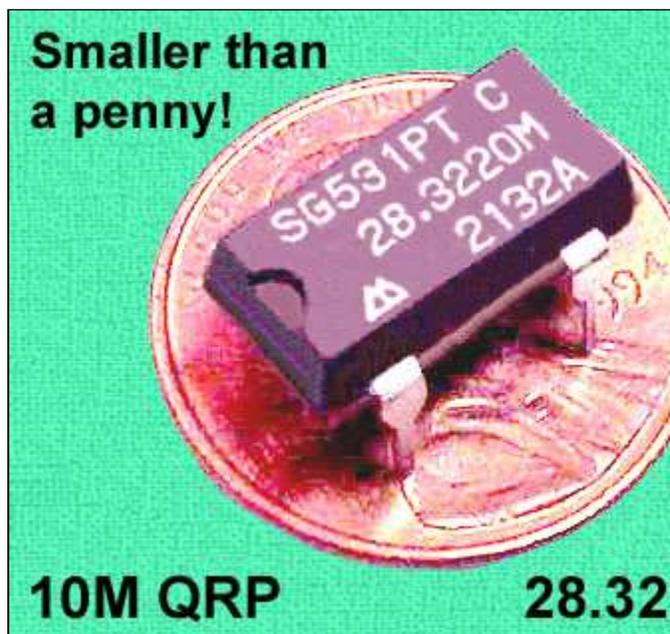
Click: [Range Simplicity Alarms](#)

Amateur Radio HAMs, get your 10 Meter QRP NET on the air FAST and SIMPLE with these self contained low-power transmitters. Auction is for (8) units.

Go [CW](#), [MCW](#) or even [AM](#) m

These are clock oscillators in a DIP-8 style package. The nominal 28.322 MHz frequency falls nicely inside the Novice / Tech+ segment of the 10 Meter HAM band (28.1 to 28.5 MHz).

Add realism to your code practice sessions by actually going on the air as you learn real life NET operating skills!



If your receiver has a product detector or BFO, use these in CW (Carrier). You can identify different stations by the slight variations in frequency. If using an AM-only receiver, just add a simple modulator, such as the link example below, for MCW (Modulated CW). Choose different values of resistors and capacitors for different tones.

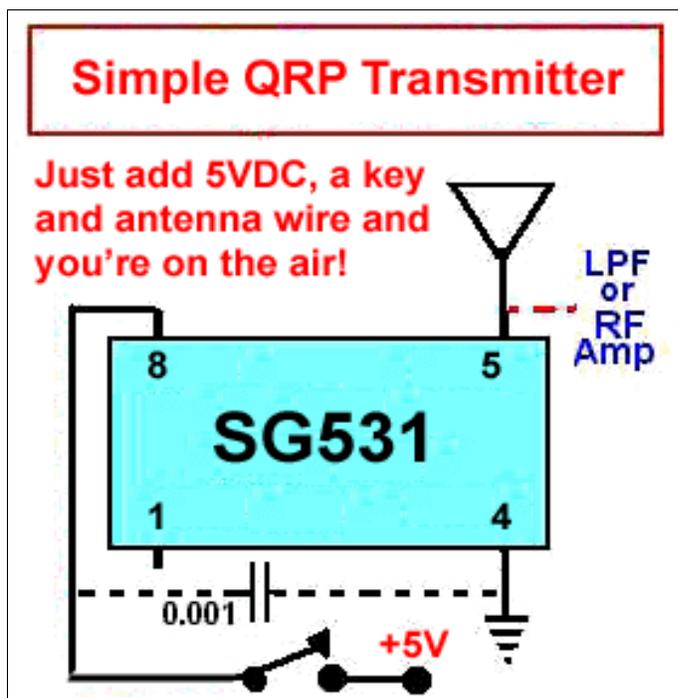
EXTREMELY SIMPLE WIRING - Standard or C

Standard CW Mode: Just ground pin 4, connect a LPF and antenna to pin 5, connect a key +5 VDC to pin 8 (shown below) and you're on the air. (Add a 0.001µF capacitor directly across pins 4 & 8 for improved oscillator stability.) Can't get any

Alternate OE keying uses the Output Enable pin 1. When pin 1 is held low with a 1 K resistor, the output at pin 5 is turned off, but the oscillator is kept running. Key +5 volts to pin 1 in this configuration for computer generated morse

[Return to top.](#)

LONG RANGE



Of course range varies widely and experienced QRP'ers know that it's all about the antenna, antenna, antenna that is. But as an example, I took a [QRP X w/LPF Assembly](#) (not included) and used it as a tracker on the road. I grounded the car and draped an antenna with the seat. As the crow flies, it was readable over 1½ miles away on a connected to a roof level vertical. I don't know what it will do when you connect it to a beam! [The output is TTL so use a [Pass Filter](#) (not included) to suppress harmonic radiation to nearby equipment. TV channel 2 is the second harmonic.

[Return to top.](#)

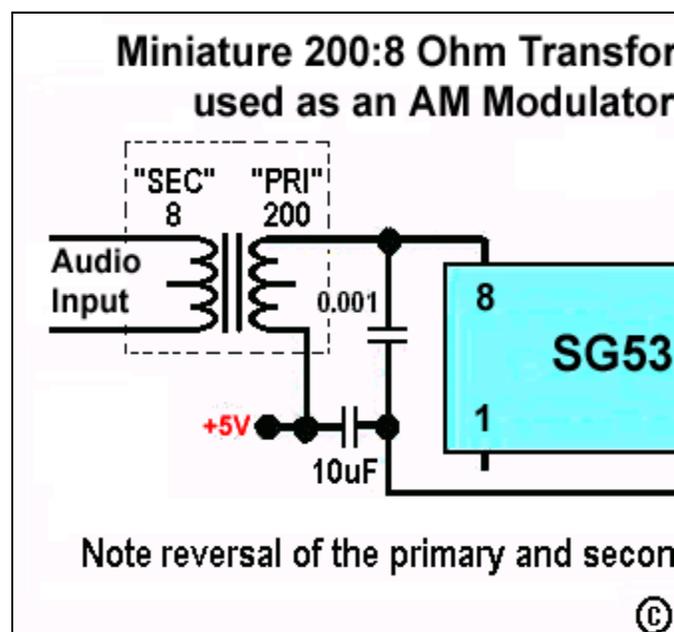
Click for [Alternate OE keying](#) or for a [MCW Mode Schematic](#).

AMPLITUDE MODULATION

AM operation is possible by adding a small audio transformer.

(Transformers are not included, but are available in our other auctions.)

The design to the right works well with an audio source intended to drive a speaker. Note the reversal of PRI and SEC windings. The impedances are not critical and almost anything close will work. [Return to top.](#)



WIRELESS ALARMS - Anywhere

Wire a door, gate, pool level detector, thermostat -- anything that can switch Volts. Use 4 AAA's and a diode to drop the voltage to about 5.5V. For short distances, an antenna is not needed. A stable receiver or scanner can cover perimeter of your yard. Carrier Mode (CW) is the simplest method.

However, if you prefer a tone, a simple 555 oscillator, such as the one shown in the MCW schematic link above, will modulate the transmitter. Different resistors and capacitors will produce different tones for easy identification of different monitoring / alarm stations. For a different twist, replace the 33K timing resistor with a thermistor to make a temperature telemetry transmitter. [Return to top](#)

Other possibilities:

- **10M Fox Hunt**
- **Beacon**
- **Telemetry (less than 3/4 gm, perfect for helium balloon flights)**
- **Model Rocketry**
- **Add a divide by 2 IC* circuit for a 20 Meter HAM band output.**
- **Add a divide by 4 IC* circuit for a 40 Meter HAM band output.**
- **Add a divide by 8 IC* circuit for a 80 Meter HAM band output.**
- **Add a LPF and a small amp on your band of choice for a serious QRP transmitter.**

*** Note: a 74LS74 or equivalent binary divider is recommended.**

**160, 80, 20, 6 and other 10 Meter versions available.
Check our other auctions or e-Mail us.**

Note: Configurations and applications vary and performance varies. Please review FCC Part 15 if you are not certain your particular use is in compliance. The suggestions above are not intended to promote illegal or improper use. It is the amateur's responsibility to ensure the completed transmitter is in compliance and that its operation does not interfere with other equipment.

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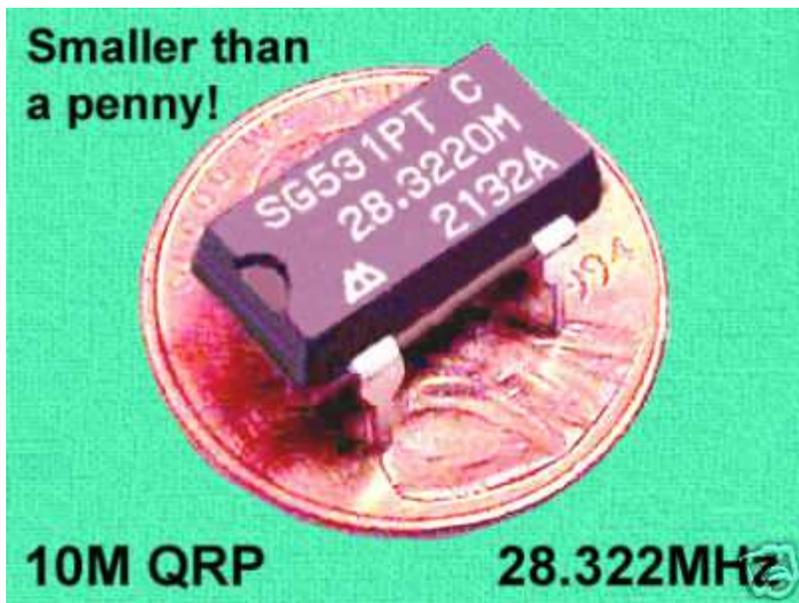
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PCB parts are thru-hole, NO SMD/SMT
Small parts may be bulk shipped
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Accepted



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price: **US \$10.95**

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