

# Specifications

## Electrical

### Electrical

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#### Return Loss

>14 dB (ref 600  $\Omega$ )

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#### Line Current Range

15 mA to 120 mA

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#### Resistance to Continuous Current (Talk Mode)

275  $\Omega$  typical at 20 mA

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#### Monitor Mode Impedance

>120,000  $\Omega$  300 Hz to 3400 Hz

## Pulse Dial Output

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#### Pulsing Rate

10 pps pps

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#### Open/Close Ratio

60/40

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#### Inter-digit Interval

800 ms %, -10%

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#### Resistance During Pulse Open

> 200,000  $\Omega$

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#### Protection Against Alternating Current Overvoltage

The TS30 survives up to 250 Vrms across its test leads.

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#### Peak Acoustic Output of the Receiver

<120 dBspl

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DTMF Output Tone Frequencies Tone Frequency Error  
per ITU-T Q.23  $\pm 1.5\%$  Maximum

Tone Level

Tone Level

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High Group Low Group  
-4 dBm (into 600  $\Omega$ ) -6 dBm (into 600  $\Omega$ )

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High vs Low Tone Difference  
2dB +1db

Last Number Redial (Tone/Pulse)

Last Number Redial (Tone/Pulse)

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Memory Capacity Memory Retention  
23 digits 8-minutes nominal

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Flash Duration  
600 ms  $\pm 100$  ms

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Ringer Loudness  
> 70 dBA at 1 meter

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Ringer Equivalent (REN)  
0.14

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Measurements  
10 in x 2.83 in x 3.34 in (25.5 cm x 7.2 cm x 8.5 cm)

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Weight  
16.8 ounces (0.476 kg)

Environmental

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Temperature Operating Storage  
-4 °F to +140 °F (-20°C to +60°C)  
-40 °F to +151 °F (-40°C to +66°C)

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Relative Humidity  
5% to 95%

Safety

Safety

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Telecom Electrical  
TNV-3

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Safety Classification  
IP54

Regulatory Standards Used

Regulatory Standards Used

Certifications and Compliance

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*Notes: Specifications subject to change without notice. Legal requirements may exist regarding permission to connect equipment to a Telecom network operated by a public network operator.*