

Akustischer Signalgeber

Acoustic Signal Indicator

Spezifische Technische Daten

Gehäusewerkstoff: PC schwarz UL94
 Befestigungselemente: Fixierpin u. Frontplattenbohrung
 Lötbarkeit: DIN IEC 68-2-20 (260°C ≤ 5s)
 Betriebstemperatur: -40°C ... +70°C
 Anschlüsse: verzintt
 Schalldruckpegel: min. 60dB, typ. 65dB bei 1m Abstand
 nach DIN 45573
 Resonanzfrequenz: 4,1 kHz ±100 Hz
 Eigenwiderstand: 100 Ω
 Induktivität: 1,6 mH
 Strombelastbarkeit: max. 25 mA

Der akustische Signalgeber ist mit und ohne LED-Anzeige lieferbar. Folgende Eigenschaften sind besonders zu nennen: hoher Schalldruck, geringe Stromaufnahme, keine mechanischen Kontakte, HF-Störungsfrei. Für die Nutzung des Signalgebers ist das Oszillatormodul zwingend erforderlich.

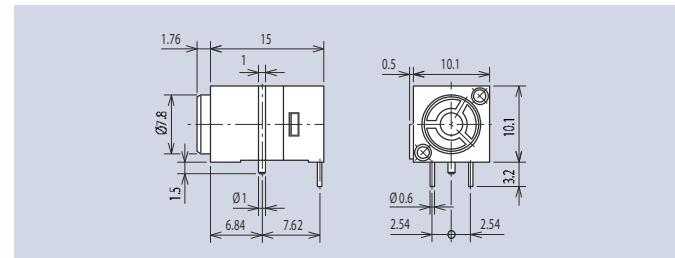


| Farbe · Color | LED-Type | Art.-Nr. |
|---------------|----------|-----------|
| - | - | 1864.8001 |
| red | A1 | 1864.8021 |
| yellow | A3 | 1864.8071 |
| green | A4 | 1864.8081 |

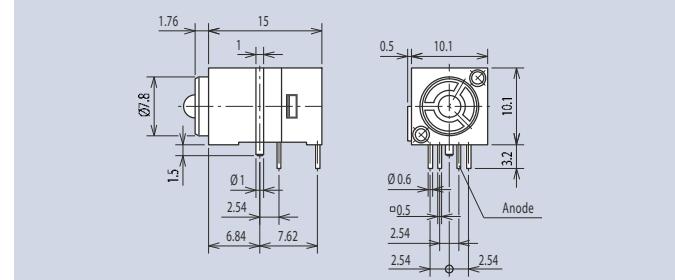
Specific Technical Data

Housing material: PC black UL94
 Fixing elements: Fixing pin and front panel hole
 Solderability: DIN IEC 68-2-20 (260°C ≤ 5s)
 Operating temperature: -40°C ... +70°C
 Terminals: tinned
 Sound level: min. 60dB, typ. 65dB at a distance of 1m
 by DIN 45573
 Natural frequency: 4,1 kHz ±100 Hz
 Inherent resistance: 100 Ω
 Inductance: 1,6 mH
 Current carrying capacity: max. 25 mA

The acoustic signal transmitter is available with and without LED-display. The following features have to be pointed out: high acoustic pressure, low current-consumption, no mechanical contacts, free from preselector stage interferences. The oscillator module is coercively necessary in connection with the signal transmitter.



Ausführung ohne LED · Version without LED

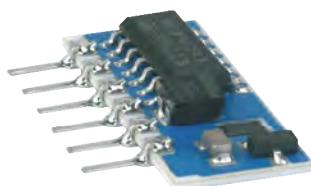


Ausführung mit LED · Version with LED

Oszillatormodul für Akustischen Signalgeber

Spezifische Technische Daten

Betriebsspannung: 5V DC
 Frequenz: 4,1 kHz ±100 Hz
 Steuereingänge (CMOS): 2 (A, B)
 Ausgänge: 2 (5, 6)
 Betriebstemperatur: -40°C ... +70°C



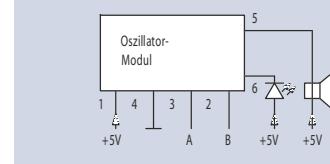
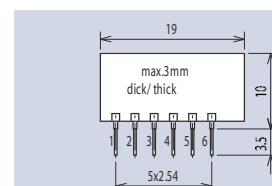
Art.-Nr.

1864.0001

Oszillatormodule for Acoustic Signal Indicator

Specific Technical Data

Operating voltage: 5V DC
 Frequency: 4,1 kHz ±100 Hz
 Control input (CMOS): 2 (A, B)
 Output: 2 (5, 6)
 Operating temperature: -40°C ... +70°C



| Logische Steuereingänge | | |
|-------------------------|---|------------------------------|
| A | B | |
| 0 | 0 | Dauerton / Constant sound |
| 0 | 1 | Aus / Off |
| 1 | 0 | Dauerton / Constant sound |
| 1 | 1 | Intervalton / Interval sound |

Technische Daten THT LED's

Technical Data THT LEDs

| LED-Type | | Emission Color | Wavelength | Lense Color | Forward Voltage V_F (V) | | Luminous Intensity I_V (mcd) | | | at | Fwd. Current I_F max (mA) | Rev. Voltage V_R (V) | 2ϕ (50% I_V) |
|-----------------|----|----------------|---------------------|------------------|------------------------------|-----|-----------------------------------|-----|-----|----------|--------------------------------|---------------------------|-------------------------|
| | | | λ (nm) peak | | typ | max | min | typ | max | mA | | | deg. |
| Standard | | | | | | | | | | | | | |
| A | 1 | red | 700 | red diffused | 2.25 | 2.5 | 3 | - | 7 | 20 10 | 25 | 5 | 60 |
| A | 2 | super-red | 627 | red diffused | 2.0 | 2.5 | 12 | - | 35 | 20 10 | 30 | 5 | 60 |
| A | 3 | yellow | 590 | yellow diffused | 2.1 | 2.5 | 8 | - | 17 | 20 10 | 30 | 5 | 60 |
| A | 4 | green | 565 | green diffused | 2.2 | 2.5 | 12 | - | 35 | 20 10 | 25 | 5 | 60 |
| A | 5 | red | 700 | red diffused | 2.25 | 2.5 | 3 | - | 12 | 20 10 | 25 | 5 | 60 |
| A | 7 | yellow | 590 | yellow diffused | 2.1 | 2.5 | 12 | - | 35 | 20 10 | 30 | 5 | 60 |
| A | 8 | green | 565 | green diffused | 2.0 | 2.5 | 12 | - | 35 | 20 10 | 25 | 5 | 60 |
| A | 9 | super-red | 627 | red diffused | 1.75 | 2.5 | 1 | - | 5 | 2 | 30 | 5 | 60 |
| A | 10 | yellow | 590 | yellow diffused | 1.8 | 2.1 | 1 | - | 5 | 2 | 30 | 5 | 60 |
| A | 11 | green | 565 | green diffused | 1.9 | 2.5 | 1 | - | 5 | 2 | 25 | 5 | 60 |
| A | 12 | super-red | 627 | red diffused | 1.75 | 2.5 | 3 | - | 12 | 2 | 30 | 5 | 60 |
| A | 13 | yellow | 590 | yellow diffused | 1.8 | 2.1 | 1 | - | 5 | 2 | 30 | 5 | 60 |
| A | 14 | green | 565 | green diffused | 1.9 | 2.5 | 1 | - | 5 | 2 | 25 | 5 | 60 |
| A | 22 | red | 700 | red diffused | 2.0 | 2.5 | 1 | - | 5 | 20 10 | 25 | 5 | 70 |
| A | 23 | yellow | 590 | yellow diffused | 2.1 | 2.5 | 5 | - | 17 | 20 10 | 30 | 5 | 70 |
| A | 24 | green | 565 | green diffused | 2.2 | 2.5 | 5 | - | 17 | 20 10 | 25 | 5 | 70 |
| A | 38 | red | 700 | red diffused | 2.25 | 2.5 | 0.4 | - | 1.5 | 20 10 | 25 | 5 | 100 |
| A | 40 | yellow | 590 | yellow diffused | 2.1 | 2.5 | 3 | - | 12 | 20 10 | 30 | 5 | 100 |
| A | 41 | green | 565 | green diffused | 2.2 | 2.5 | 3 | - | 12 | 20 10 | 25 | 5 | 100 |
| A | 51 | blue | 430 | blue transparent | 3.8 | 4.5 | 18 | 100 | - | 20 | 30 | 5 | 50 |
| A | 60 | super-red | 625 | red diffused | 2.0 | 2.5 | 10 | - | 45 | 10 | 30 | 5 | 120 |
| A | 61 | yellow | 590 | yellow diffused | 2.1 | 2.5 | 6 | - | 30 | 10 | 30 | 5 | 120 |
| A | 62 | green | 565 | green diffused | 2.2 | 2.5 | 8 | - | 40 | 10 | 25 | 5 | 120 |
| H | 1 | red | 697 | red diffused | 2.1 | 2.8 | 0.4 | 1 | - | 10 | 25 | 5 | 70 |
| H | 2 | yellow | 585 | yellow diffused | 2.0 | 2.8 | 1.2 | 2.2 | - | 10 | 30 | 5 | 70 |
| H | 3 | green | 565 | green diffused | 2.1 | 2.8 | 1.2 | 2.5 | - | 10 | 25 | 5 | 70 |
| H | 4 | super-red | 635 | orange diffused | 2.0 | 2.8 | 1.2 | 2.5 | - | 10 | 30 | 5 | 70 |