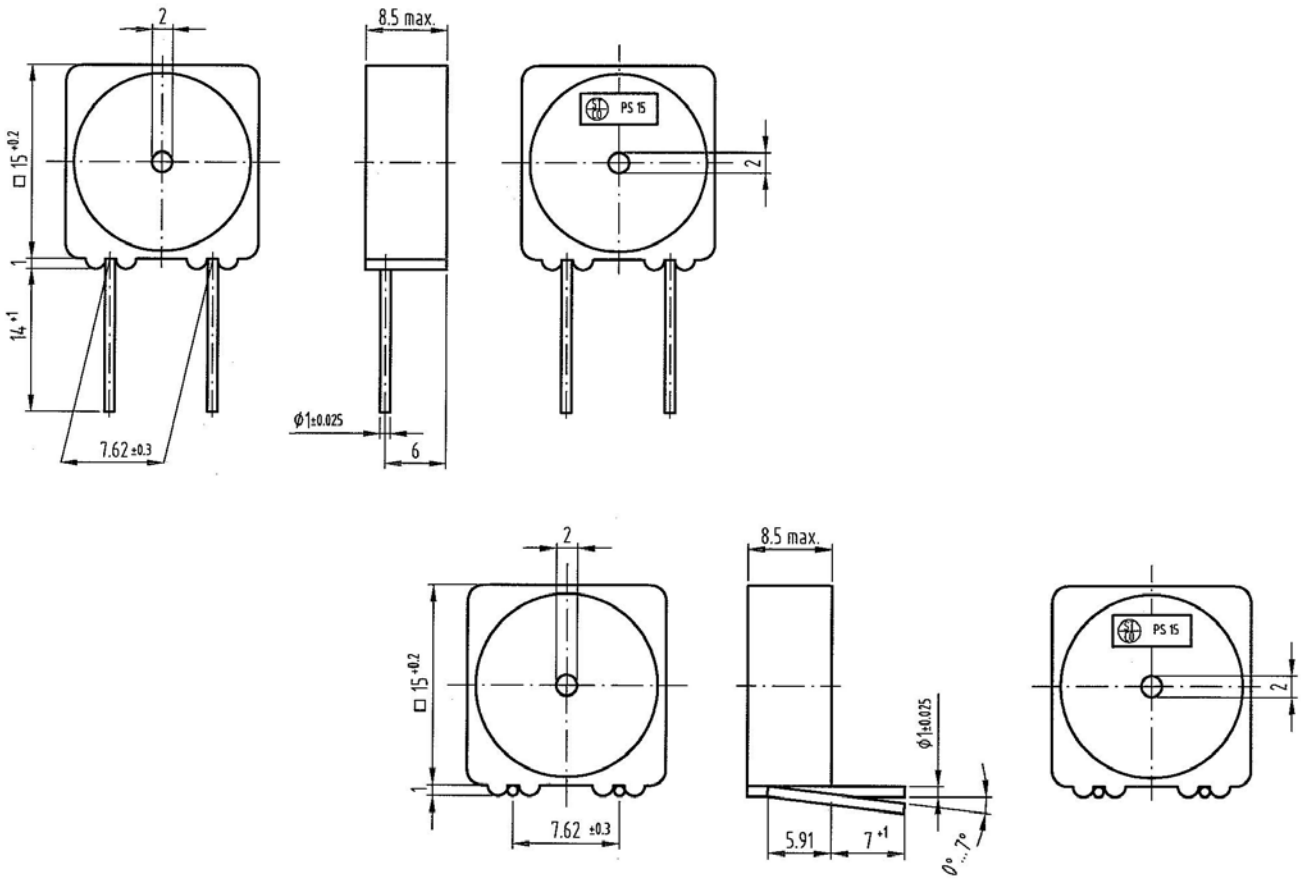


Piezokeramik-Breitband-Signalgeber  
Typ / Type PS 15-01-0

Piezoceramic Wide-band Sounders  
Typ / Type PS 15-02-0



Typ Type	Kapazität (nF) ±30% Capacitance (nF) ±30% 120 Hz / 0,1 V	Schalldruck min. Sound pressure min. 400 Hz	Schalldruck (typ.) Sound pressure (typ.) 400 Hz	Schalldruck (typ.) Sound pressure (typ.) 3000 Hz
PS 15-01-0	8,0	70 dBA	80 dBA	82 dBA
PS 15-02-0	8,0	75 dBA	85 dBA	85 dBA

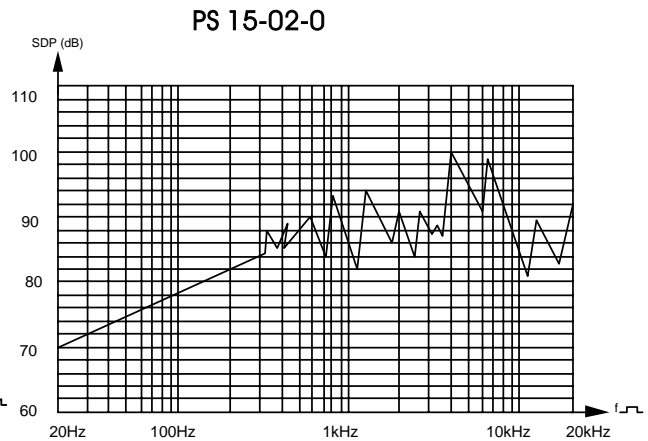
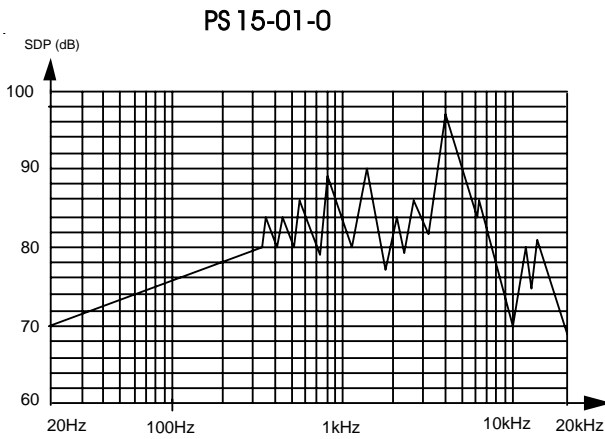
Isolationswiderstand / insulation resistance  $R_{IS}$   
Max. Betriebsspannung / max. operating voltage  $U_{Max}$   
Kategorietemperaturbereich / category temp. range

$\geq 1000 \text{ M}\Omega$   
40 V p-p (Rechteck/square)  
- 25 ... + 85 °C

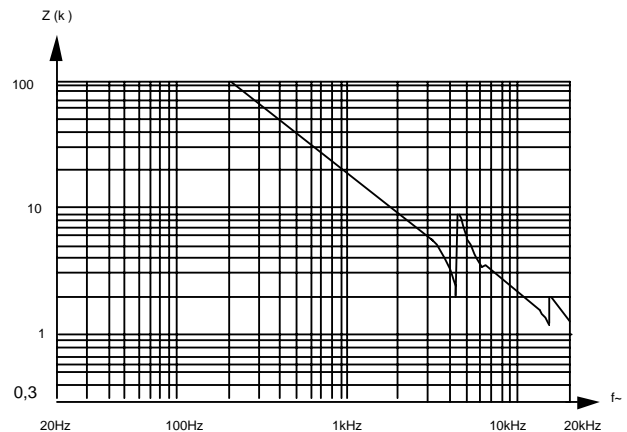
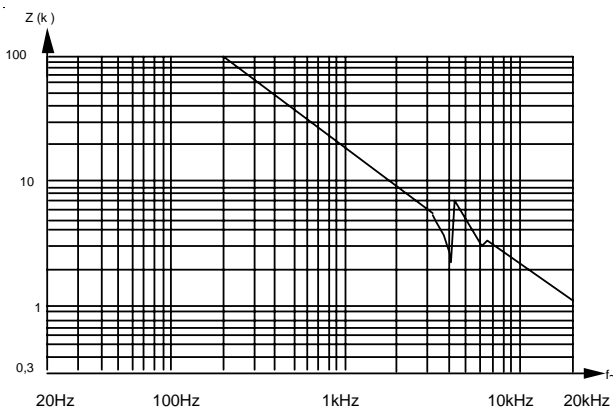
**Piezokeramik-Breitband-Signalgeber**  
Typ / Type PS 15-01-0

**Piezoceramic Wide-band Sounders**  
Typ / Type PS 15-02-0

Schalldruckpegel SDP als Funktion von der Frequenz f U = 12 V<sub>SS</sub> Rechteck  
Sound pressure level SPL as a function of the frequency f U = 12 V<sub>p-p</sub> square

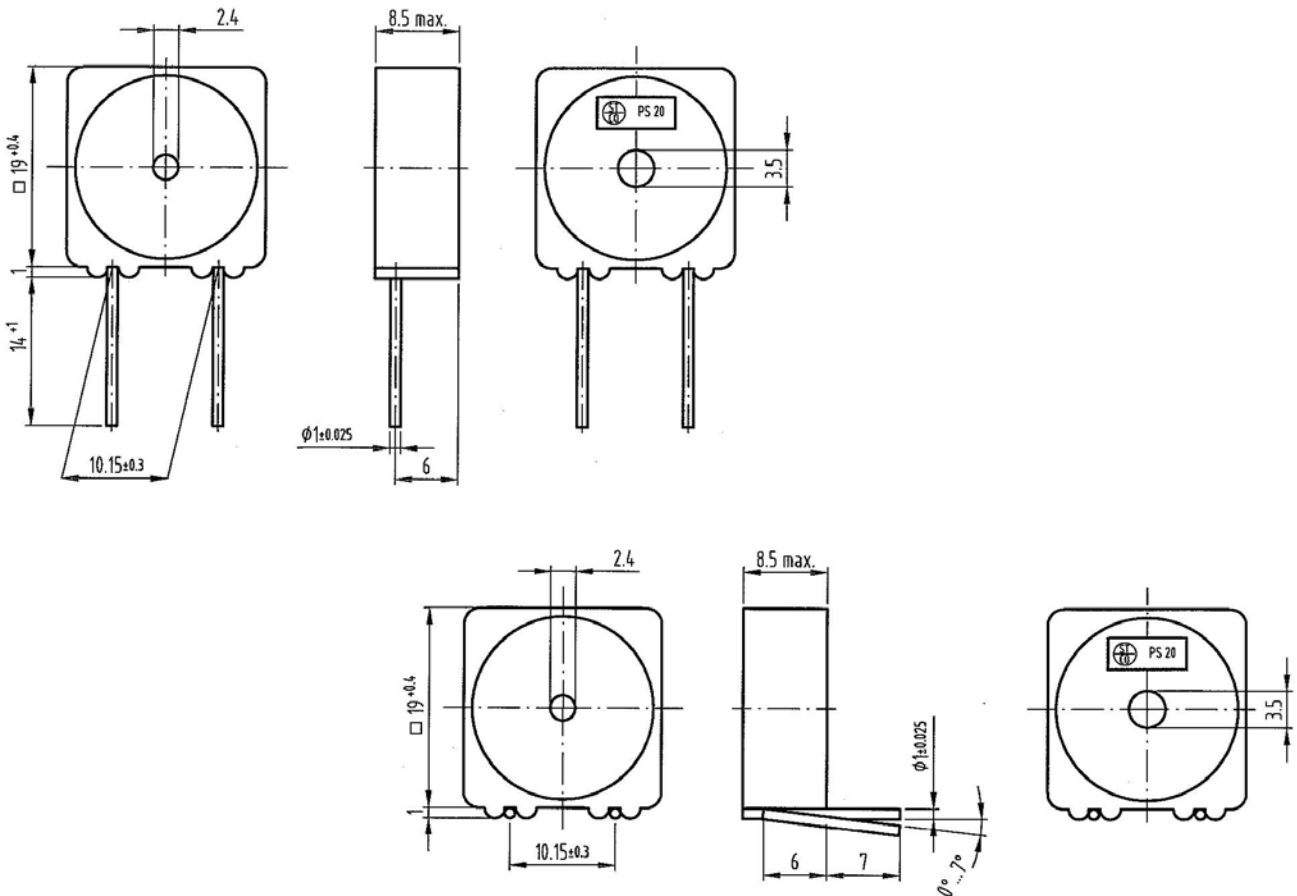


Impedanz Z als Funktion von der Frequenz f  
Impedance Z as a function of the frequency f



Piezokeramik-Breitband-Signalgeber  
Typ / Type PS 20-01-0

Piezoceramic Wide-band Sounders  
Typ / Type PS 20-02-0



Typ Type	Kapazität (nF) ±30% Capacitance (nF) ±30 120 Hz / 0,1 V	Schalldruck min. Sound pressure min. 400 Hz	Schalldruck (typ.) Sound pressure (typ.) 400 Hz	Schalldruck (typ.) Sound pressure (typ.) 3000 Hz
PS 20-01-0	17,0	75 dBA	85 dBA	96 dBA
PS 20-02-0	17,0	75 dBA	86 dBA	96 dB

Isolationswiderstand / insulation resistance  $R_{IS}$

$\geq 1000 \text{ M}\Omega$

Max. Betriebsspannung / max. operating voltage  $U_{max}$

40 V p-p (Rechteck/square)

Kategoriemperaturbereich / category temp. range

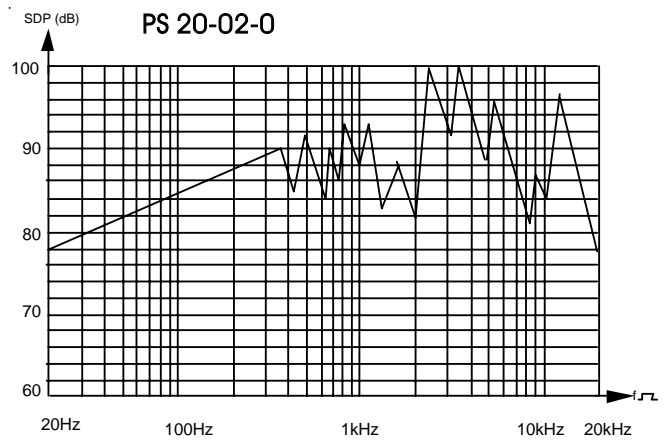
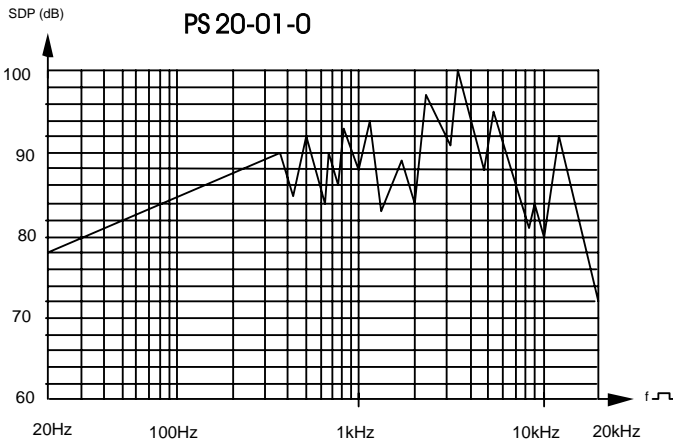
- 25 ... + 85 °C

**Piezokeramik-Breitband-Signalgeber**  
Typ / Type PS 20-01-0

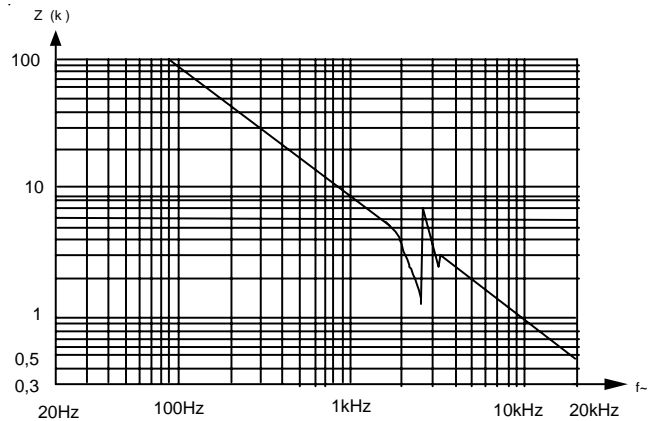
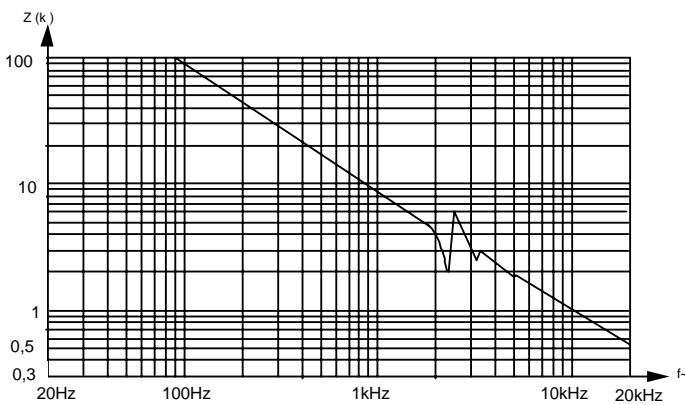
**Piezoceramic Wide-band Sounders**  
Typ / Type PS 20-02-0

Schalldruckpegel SDP als Funktion von der Frequenz f  
Sound pressure level SPL as a function of the frequency f

U = 12 V<sub>SS</sub> Rechteck  
U = 12 V<sub>p-p</sub> square

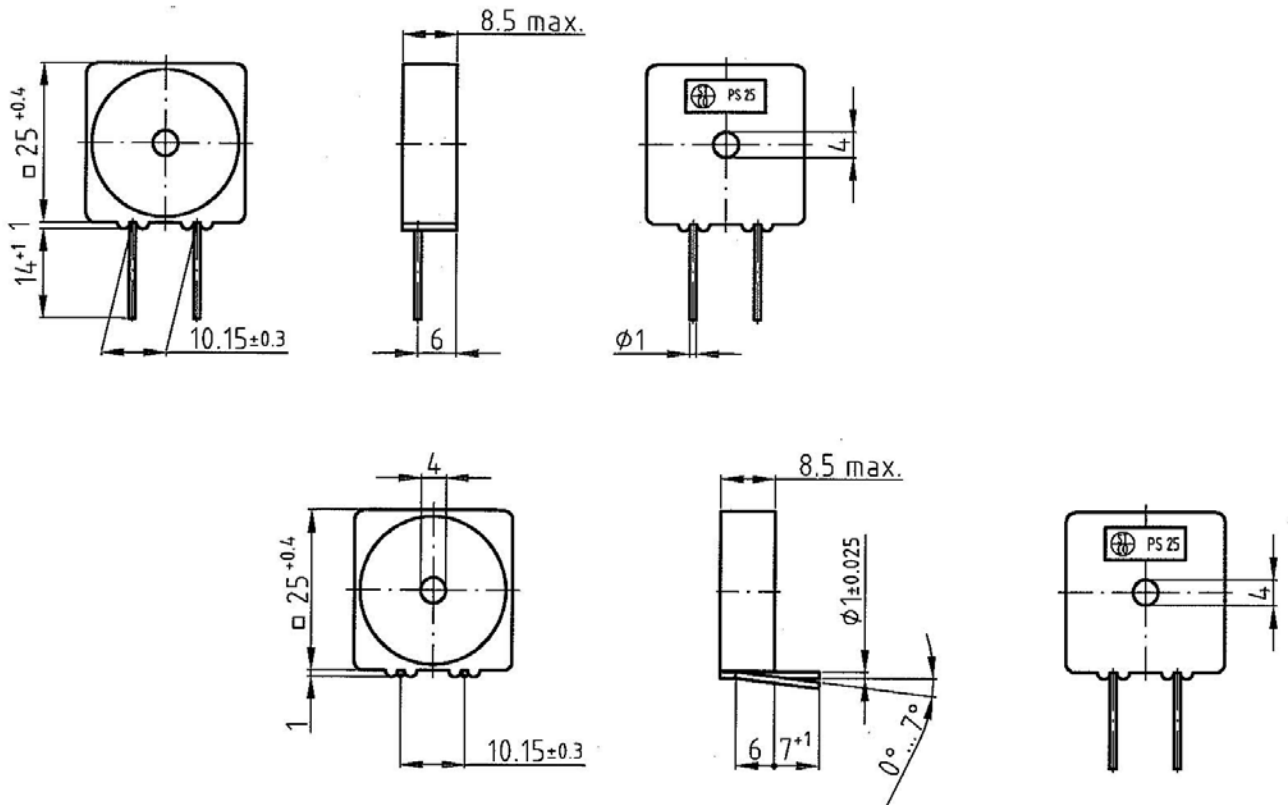


Impedanz Z als Funktion von der Frequenz f  
Impedance Z as a function of the frequency f



**Piezokeramik-Breitband-Signalgeber**  
Typ / Type PS 25-01-0

**Piezoceramic Wide-band Sounders**  
Typ / Type PS 25-02-0



Typ Type	Kapazität (nF) ±30% Capacitance (nF) ±30 120 Hz / 0,1 V	Schalldruck min. Sound pressure min. 400 Hz	Schalldruck (typ.) Sound pressure (typ.) 400 Hz	Schalldruck (typ.) Sound pressure (typ.) 2000 Hz      4000 Hz
PS 25-01-0	17,0	79 dBA	84 dBA	92 dBA 94 dBA
PS 25-02-0	17,0	79 dBA	84 dBA	90 dBA 94 dBA

Isolationswiderstand / insulation resistance  $R_{is}$   
 Max. Betriebsspannung / max. operating voltage  $U_{max}$   
 Kategorietemperaturbereich / category temp. range

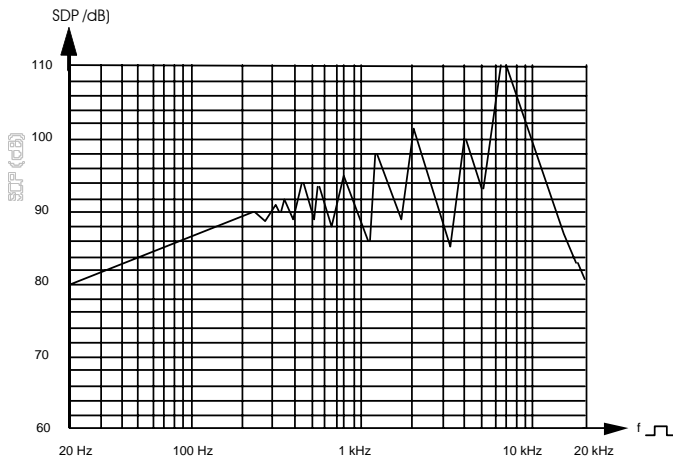
$\geq 1000 \text{ M}\Omega$   
 40 V p-p (Rechteck/square)  
 - 25 ... + 85 °C

**Piezokeramik-Breitband-Signalgeber**  
Typ / Type PS 25-01-0

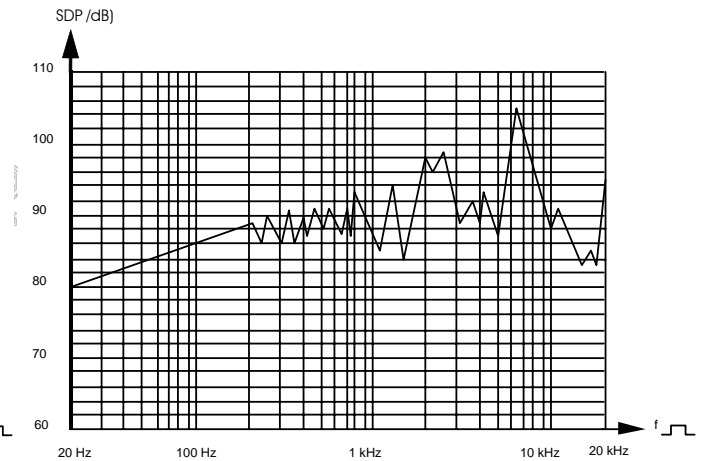
**Piezoceramic Wide-band Sounders**  
Typ / Type PS 25-02-0

Schalldruckpegel SDP als Funktion von der Frequenz  $f$   $U = 12 V_{SS}$  Rechteck  
Sound pressure level SPL as a function of the frequency  $f$   $U = 12 V_{O-P}$  square

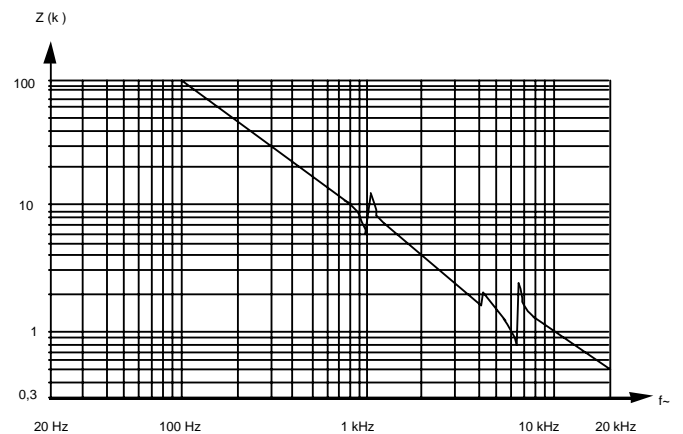
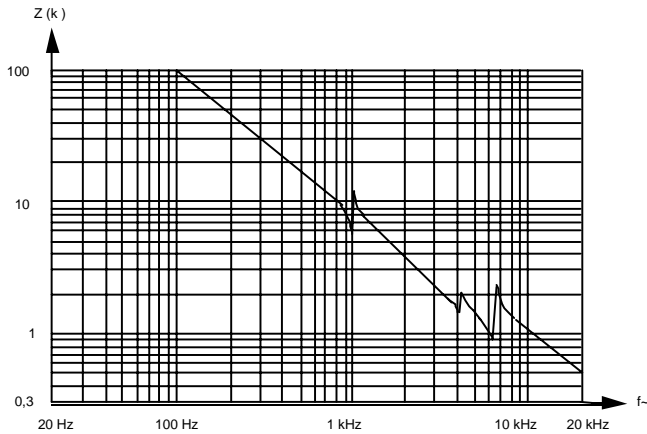
**PS 25-01-0**



**PS 25-02-0**

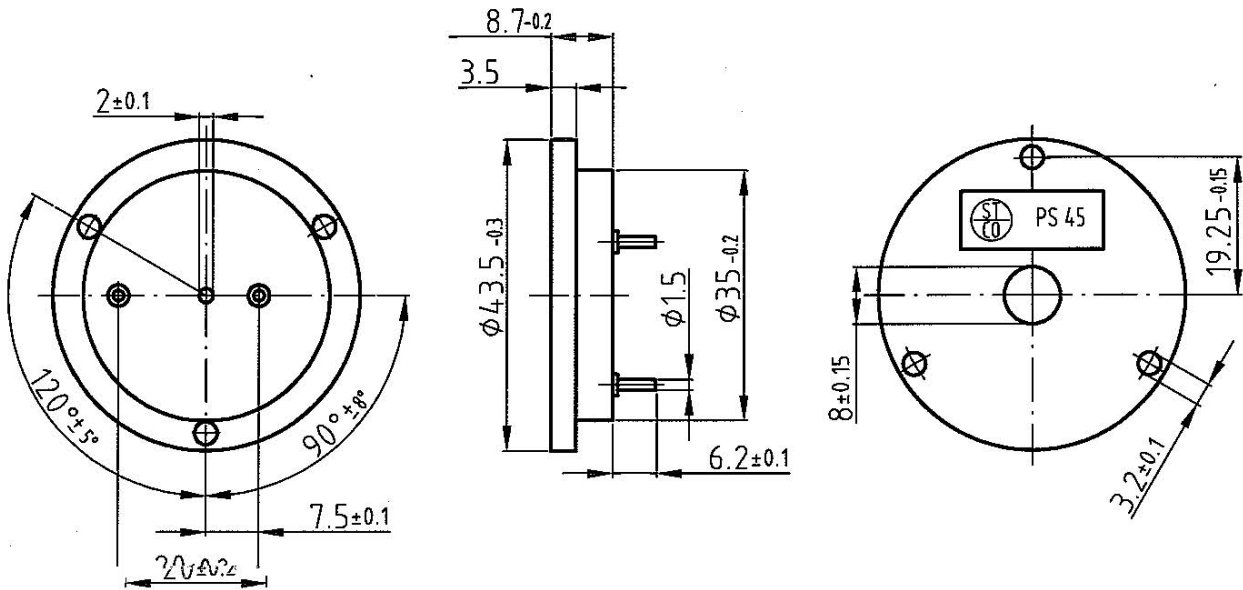


Impedanz  $Z$  als Funktion von der Frequenz  $f$   
Impedance  $Z$  as a function of the frequency  $f$



Piezokeramik-Breitband-Signalgeber  
Typ PS 45-01-0

Piezoceramic Wide-band Sounders  
Type PS 45-01-0



Typ Type	Kapazität (nF) ±30% Capacitance (nF) ±30 120 Hz / 0,1 V	Schalldruck min. Sound pressure min. 200 Hz	Schalldruck (typ.) Sound pressure (typ.) 200 Hz	Schalldruck (typ.) Sound pressure (typ.) 3500 Hz
PS 45-01-0	42,0	85 dBA	92 dBA	108 dBA

Isolationswiderstand / insulation resistance  $R_{is}$

$\geq 1000 \text{ M}\Omega$

Max. Betriebsspannung / max. operating voltage  $U_{max}$

40 V p-p (Rechteck/square)

Kategoriemperaturbereich / category temp. range

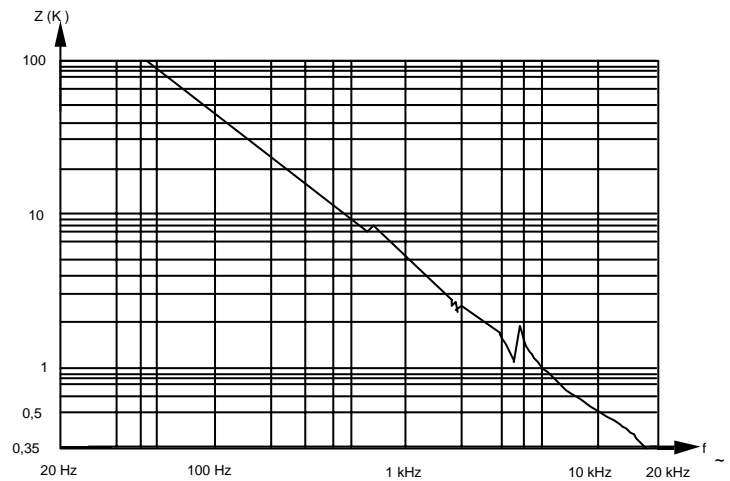
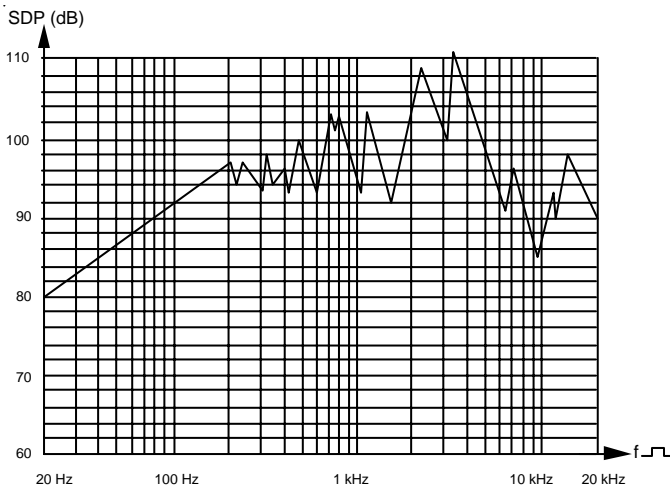
- 25 ... + 85 °C

**Piezokeramik-Breitband-Signalgeber  
Typ PS 45-01-0**

**Piezoceramic Wide-band Sounders  
Type PS 45-01-0**

SDP als Funktion von der Frequenz f    U = 12 V<sub>SS</sub> Rechteck  
SPL as a function of the frequency f    U = 12 V<sub>p-p</sub> square

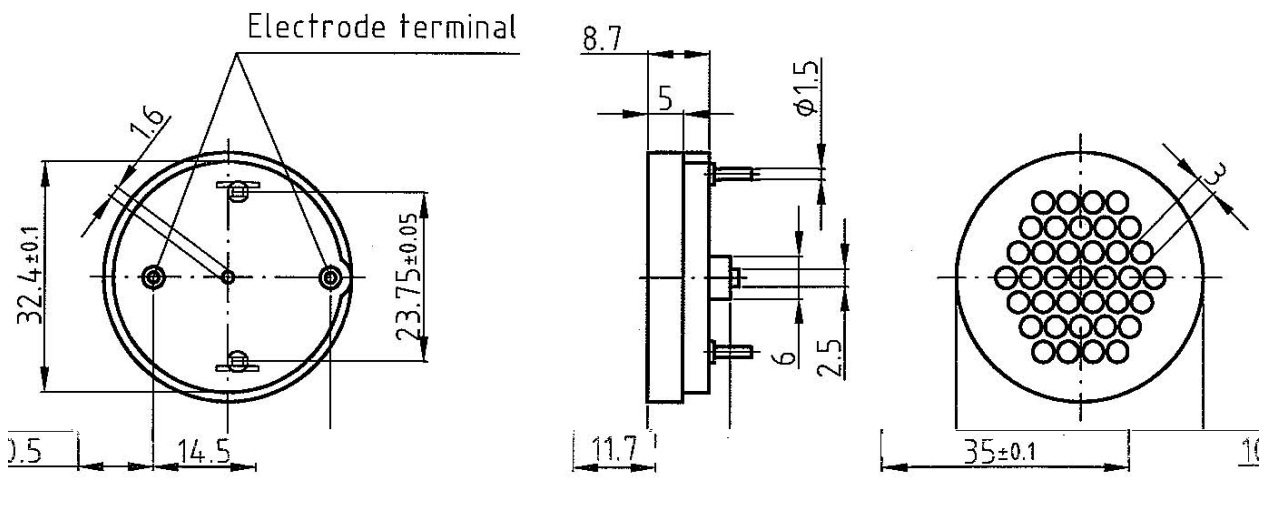
Impedanz Z als Funktion von der Frequenz f  
Impedance Z as a function of the frequency f





Piezokeramik-Tonrufgeber  
Typ TG 35

Piezoceramic Telephone Ringer  
Type TG 35



Typ Type	Kapazität (nF) ±30% Capacitance (nF) ±30 120 Hz / 0,1 V	Schalldruck (typ). Sound pressure (typ.)					
		200 Hz	800 Hz	1000 Hz	1100 Hz	1300 Hz	3500 Hz
TG 35-H7-000	70,0	90 dBA		90 dBA			93 dBA
TG 35-JS-M	65,0		94 dBA		92 dBA	94 dBA	

Isolationswiderstand / insulation resistance  $R_{is}$

$\geq 1000 \text{ M}\Omega$

Max. Betriebsspannung / max. operating voltage  $U_{max}$

40 V p-p (Rechteck/square)

Kategoriemperaturbereich / category temp. range

- 25 ... + 85 °C

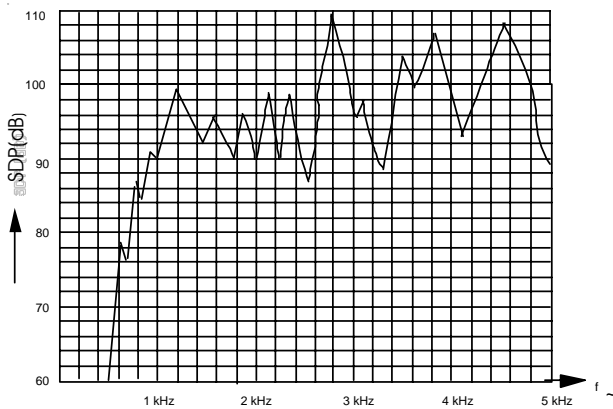
**Piezokeramik-Tonrufgeber  
Typ TG 35**

**Piezoceramic Telephone Ringer  
Type TG 35**

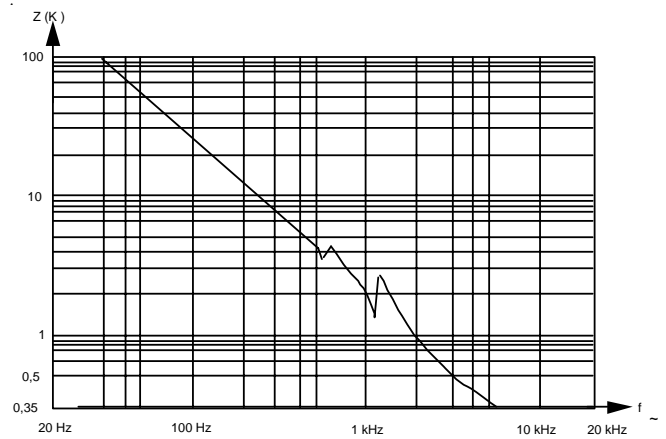
SDP als Funktion von der Frequenz f     $U = 12 V_{SS}$  Sinus  
SPL as a function of the frequency f     $U = 12 V_{p-p}$  sine

Impedanz Z als Funktion von der Frequenz f  
Impedance Z as a function of the frequency f

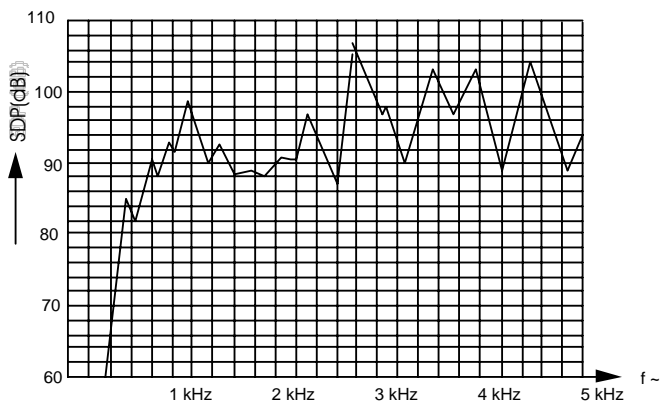
**TG 35-H7-000**



**TG 35-H7-000**



**TG 35-JS-M**



**TG 35-JS-M**

