

Condenser Microphone SELECTION GUIDE

LAURE

51

how to order

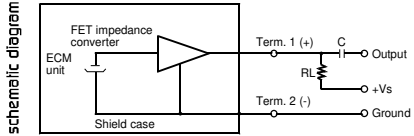


1. Directivity. C = omni, U = uni, N = noise cancelling, B = Omni Back Electret
2. Diameter with one decimal point (mm) e.g. 97 = 9.7
3. Height with the filter in one decimal point (mm) e.g. 67 = 6.7
4. Power Supply (Vs) *fig. 1
5. Resistor Loading (RL) *fig. 2
6. Sensitivity e.g. 42 = 42dB
7. Tolerance in sensitivity e.g. 2 = ±2
8. Pin, Lead or none

IMPORTANT INFORMATION
 We start to use "pascal" indication from this volume. This is the recommendation if I.E.C. (International Electrotechnical Commission).
 The relation between "pascal" and "µbar" is as follow. 1pa = 10µbar
 So the sensitivity will increase 20dB with "pa" indication
 Example: -60dB (0dB = 1V/µbar) = -40dB (0dB = 1V/pa)

| (Vs) fig. 1 | | (RL) fig. 2 |
|-------------|----------|-------------|
| A. 1 V | G. 4 V | A. 680 Ω |
| B. 1.5 V | H. 4.5 V | B. 1 KΩ |
| C. 2 V | I. 5 V | C. 1.5 KΩ |
| D. 2.5 V | J. 5.5 V | D. 2.2 KΩ |
| E. 3 V | K. 6 V | E. 3 KΩ |
| F. 3.5 V | | |

(Vs) standard operation voltage (RL) external resistance



| Series | Directivity* | Diameter (mm) | Height (mm) | Power Supply (Vs) | External Resistor Loading (Ω) | Sensitivity (dB) | Terminal* | Page No. |
|--------|--------------|---------------|-------------|-------------------|-------------------------------|-----------------------------------|-----------|----------|
| CF4012 | Omni | 4.0 | 1.2 | 2.0 | 2200 | -42 | +/-3 | S 52 |
| C4015 | Omni | 4.0 | 1.5 | 2.0 | 2200 | -45 | +/- 3 | P / S 52 |
| C4530 | Omni | 4.5 | 3.0 | 2.0 | 2200 | -44,-46,-50 | +/- 3 | S 52 |
| CF5822 | Omni | 5.8 | 2.2 | 2.0 | 2200 | -38,-44 | +/- 3 | P / S 53 |
| C6012 | Omni | 6.0 | 1.2 | 2.0 | 2200 | -42 | +/- 3 | S 53 |
| CF6016 | Omni | 6.0 | 1.6 | 2.0 | 2200 | -44 | +/- 3 | P / S 53 |
| C6022 | Omni | 6.0 | 2.2 | 2.0 | 2200 | -44,-46 | +/- 3 | P / S 54 |
| C6027 | Omni | 6.0 | 2.7 | 2.0 | 2200 | -38,-42,-46 | +/- 3 | P / S 54 |
| C6030 | Omni | 6.0 | 3.0 | 2.0 | 2200 | -42,-44,-46 | +/- 3 | S 54 |
| C6035 | Omni | 6.0 | 3.5 | 2.0 | 2200 | -42,-44,-46 | +/- 3 | P / S 55 |
| C6052 | Omni | 6.0 | 5.2 | 2.0 | 2200 | -38,-42,-46 | +/- 3 | P / S 55 |
| C8052 | Omni | 8.0 | 5.2 | 1.5 | 2200 | -42,-46 | +/- 3 | S 55 |
| C9465 | Omni | 9.4 | 6.5 | 4.5 | 1000 | -45 | +/- 2 | P / S 56 |
| C9745 | Omni | 9.7 | 4.5 | 1.5 / 2.5 | 3000 / 2200 | -40,-42,-44 / -40,-42,-44,-46 | +/- 3 | P / S 56 |
| C9752 | Omni | 9.7 | 5.2 | 2.5 | 2200 | -42 | +/- 2 | S 56 |
| CF9745 | Omni | 9.7 | 4.5 | 1.5 / 2.5 | 3000 / 2200 | -40,-42,-44 / -40,-42,-44,-46 | +/- 3 | P 57 |
| C9767 | Omni | 9.7 | 6.7 | 1.5 / 4.5 | 1500 / 2200 | -36,-38,-40,-42,-44 / -38,-42,-46 | +/-3,+/-2 | P / S 57 |
| CF1055 | Omni | 10.0 | 5.5 | 1.5 | 2200 | -38 | +/- 3 | S 57 |
| U6030 | Uni | 6.0 | 3.0 | 2.0 | 2200 | -46 | +/- 4 | S 58 |
| U6035 | Uni | 6.0 | 3.5 | 2.0 | 2200 | -46 | +/- 4 | S 58 |
| U6052 | Uni | 6.0 | 5.2 | 2.0 | 2200 | -50 | +/- 4 | S 58 |
| U8052 | Uni | 8.0 | 5.2 | 2.0 | 2200 | -46 | +/- 4 | S 59 |
| U9752 | Uni | 9.7 | 5.2 | 1.5 | 680 | -47 | +/- 4 | S 59 |
| N4530 | Noise | 4.5 | 3.0 | 2.0 | 2200 | -54 | +/- 3 | S 59 |
| N6027 | Noise | 6.0 | 2.7 | 2.0 | 2200 | -51 | +/- 4 | S 60 |
| N6035 | Noise | 6.0 | 3.5 | 2.0 | 2200 | -46 | +/- 4 | S 60 |
| N6052 | Noise | 6.0 | 5.2 | 1.5 | 2200 | -50 | +/- 4 | S 60 |
| N9752 | Noise | 9.7 | 5.2 | 1.5 | 680 | -54 | +/- 4 | S 61 |
| B6022 | Back Omni | 6.0 | 2.2 | 3.0 | 2200 | -46 | +/- 4 | S 61 |
| B6027 | Back Omni | 6.0 | 2.7 | 3.0 | 2200 | -46 | +/- 4 | S 61 |
| B6035 | Back Omni | 6.0 | 3.5 | 3.0 | 2200 | -46 | +/- 4 | S 62 |
| B6052 | Back Omni | 6.0 | 5.2 | 3.0 | 2200 | -46 | +/- 4 | S 62 |

* Omni - Omni Directional, Uni - Uni Directional, Noise - Noise Cancelling, Back Omni - Back Electret Omni Leadwire type is available on request

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Condenser Microphone

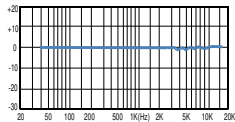
LAUBE

CF4012



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

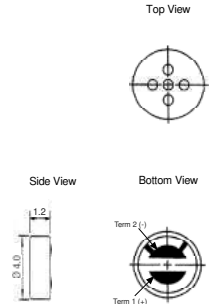
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | CF4012CD423 |
|---|-------------|
| Sensitivity (dB) | -42 +/- 3 |
| Directivity | OMNI |
| Power Supply Vs (V) | 2.0 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

DIMENSION



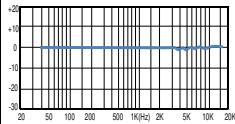
all dimensions are in mm

C4015



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

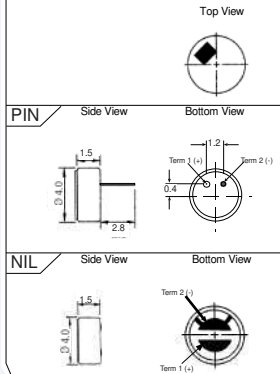
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C4015CD453 | C4015CD453-P |
|---|-------------|--------------|
| Sensitivity (dB) | -45 +/- 3 | -45 +/- 3 |
| Directivity | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 |
| Frequency Range (Hz) | 100 - 10000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 |

DIMENSION



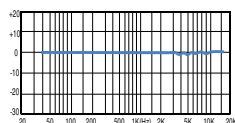
all dimensions are in mm

C4530



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

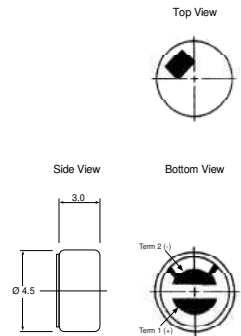
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C4530CD443D | C4530CD463D | C4530CD503D |
|---|-------------|-------------|-------------|
| Sensitivity (dB) | -44 +/- 3 | -46 +/- 3 | -50 +/- 3 |
| Directivity | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 |

DIMENSION



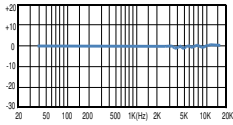
all dimensions are in mm

CF5822



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

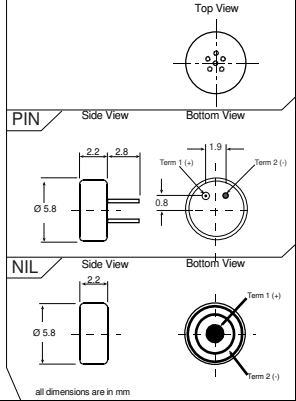
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | CF5822CD383D | CF5822CD443D |
|---|--------------|--------------|
| Sensitivity (dB) | -38 +/- 3 | -44 +/- 3 |
| Directivity | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 |
| SN Ratio (dB) | > 60 | > 60 |

DIMENSION

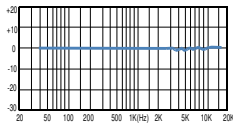


C6012



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

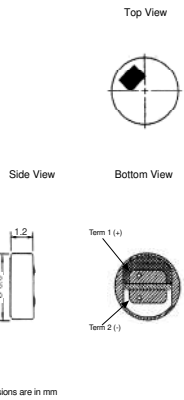
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C6012CD423 |
|---|-------------|
| Sensitivity (dB) | -42 +/- 3 |
| Directivity | OMNI |
| Power Supply Vs (V) | 2 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| SN Ratio (dB) | > 60 |

DIMENSION

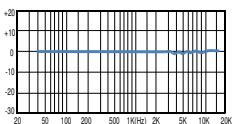


CF6016



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

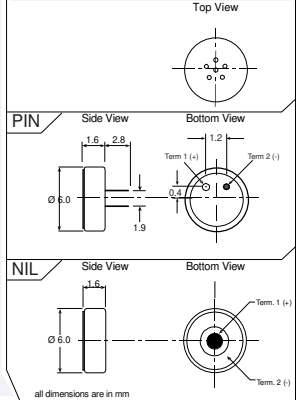
FREQUENCY RESPONSE CURVE



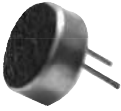
ELECTRICAL SPECIFICATIONS

| Model No. | CF6016CD443 |
|---|-------------|
| Sensitivity (dB) | -44 +/- 3 |
| Directivity | OMNI |
| Power Supply Vs (V) | 2 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 50 - 16000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

DIMENSION

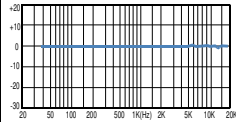


C6022



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

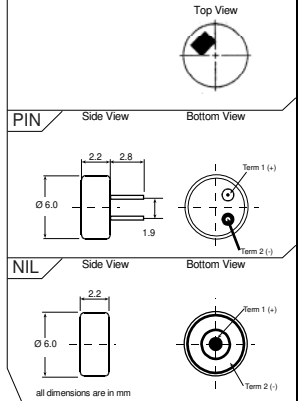
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C6022CD443D | C6022CD463D |
|---|-------------|-------------|
| Sensitivity (dB) | -44 +/- 3 | -46 +/- 3 |
| Directivity | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 |

DIMENSION

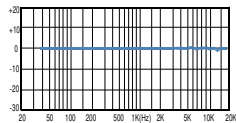


C6027



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

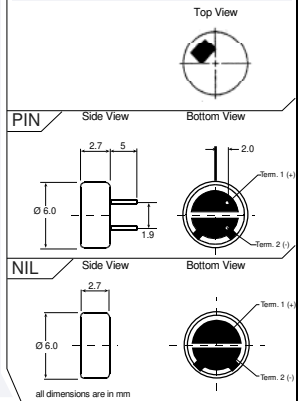
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C6027CD383 | C6027CD423 | C6027CD463 |
|---|------------|------------|------------|
| Sensitivity (dB) | -38 +/- 3 | -42 +/- 3 | -46 +/- 3 |
| Directivity | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 |

DIMENSION

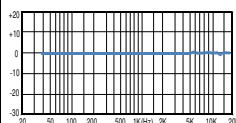


C6030



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

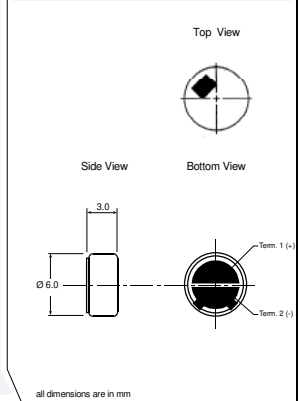
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C6030CD423 | C6030CD443 | C6030CD463 |
|---|------------|------------|------------|
| Sensitivity (dB) | -42 +/- 3 | -44 +/- 3 | -46 +/- 3 |
| Directivity | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 |

DIMENSION

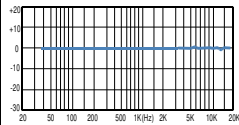


C6035



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C6035CD423 | C6035CD443 | C6035CD463 |
|---|------------|------------|------------|
| Sensitivity (dB) | -42 +/- 3 | -44 +/- 3 | -46 +/- 3 |
| Directivity | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 |

DIMENSION

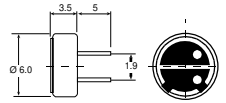
Top View



PIN

Side View

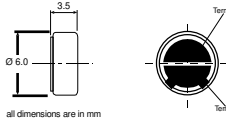
Bottom View



NIL

Side View

Bottom View



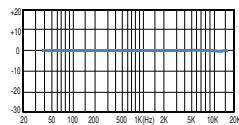
all dimensions are in mm

C6052



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C6052CD383 | C6052CD423 | C6052CD463 |
|---|------------|------------|------------|
| Sensitivity (dB) | -38 +/- 3 | -42 +/- 3 | -46 +/- 3 |
| Directivity | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 2 | 2 | 2 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 |

DIMENSION

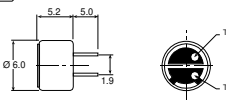
Top View



PIN

Side View

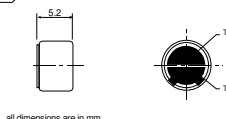
Bottom View



NIL

Side View

Bottom View



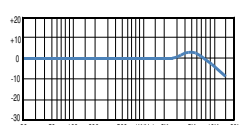
all dimensions are in mm

C8052



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C8052BD423 | C8052BD463 |
|---|------------|------------|
| Sensitivity (dB) | -42 +/- 3 | -46 +/- 3 |
| Directivity | OMNI | OMNI |
| Power Supply Vs (V) | 1.5 | 1.5 |
| Resistance Loading RL (Ω) | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 |

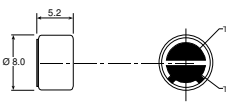
DIMENSION

Top View



Side View

Bottom View



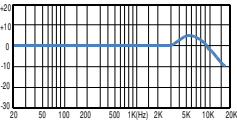
all dimensions are in mm

C9465



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | | |
|----------------------------------|------------|------------|
| Model No. | C9465HB452 | |
| Sensitivity | (dB) | -42 +/- 2 |
| Directivity | | OMNI |
| Power Supply Vs | (V) | 4.5 |
| Resistance Loading RL | (Ω) | 1K |
| Max Current | (mA) | 0.8 |
| Frequency Range | (Hz) | 50 - 16000 |
| Max. Operation Voltage | (V) | 10 |
| Sensitivity Reduction within 3 V | (dB) | -3 |
| S/N Ratio | (dB) | > 60 |

DIMENSION

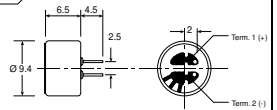
Top View



PIN

Side View

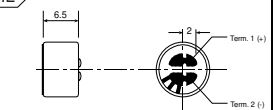
Bottom View



NIL

Side View

Bottom View



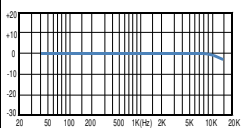
all dimensions are in mm

C9745



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | | | | | | | |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Model No. | C9745BB403 | C9745BB423 | C9745BB443 | C9745DD403 | C9745DD423 | C9745DD443 | C9745DD463 |
| Sensitivity | (dB) | -40 +/- 3 | -42 +/- 3 | -44 +/- 3 | -40 +/- 3 | -42 +/- 3 | -44 +/- 3 |
| Directivity | | OMNI | OMNI | OMNI | OMNI | OMNI | OMNI |
| Power Supply Vs | (V) | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 |
| Resistance Loading RL (Ω) | | 3K | 3K | 3K | 2.2K | 2.2K | 2.2K |
| Max Current | (mA) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Frequency Range | (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage | (V) | 10 | 10 | 10 | 10 | 10 | 10 |
| Sensitivity Reduction Within 1.1V | (dB) | -3 | -3 | -3 | -3 | -3 | -3 |
| Sensitivity Reduction Within 2V | (dB) | -3 | -3 | -3 | -3 | -3 | -3 |
| S/N Ratio | (dB) | > 60 | > 60 | > 60 | > 60 | > 60 | > 60 |

DIMENSION

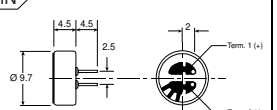
Top View



PIN

Side View

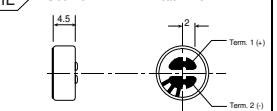
Bottom View



NIL

Side View

Bottom View



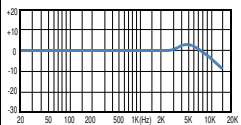
all dimensions are in mm

C9752



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | | |
|----------------------------------|------------|------------|
| Model No. | C9752DD422 | |
| Sensitivity | (dB) | -42 +/- 2 |
| Directivity | | OMNI |
| Power Supply Vs | (V) | 2.5 |
| Resistance Loading RL | (Ω) | 2.2K |
| Max Current | (mA) | 0.5 |
| Frequency Range | (Hz) | 50 - 16000 |
| Max. Operation Voltage | (V) | 10 |
| Sensitivity Reduction within 3 V | (dB) | -3 |
| S/N Ratio | (dB) | > 60 |

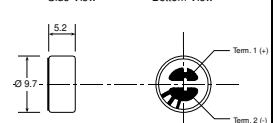
DIMENSION

Top View



Side View

Bottom View



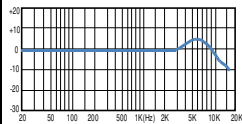
all dimensions are in mm

CF9745



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | PIN |

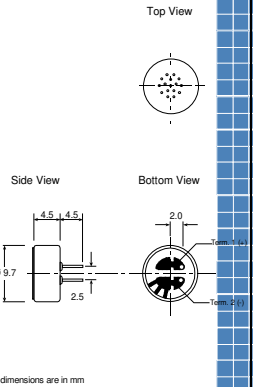
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | CF9745SBK403 | CF9745SBK423 | CF9745SBK443 | CF9745SD403 | CF9745SD423 | CF9745SD443 | CF9745SD463 |
|--------------------------------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|
| Sensitivity (dB) | -40 ± 3 | -42 ± 3 | -44 ± 3 | -40 ± 3 | -42 ± 3 | -44 ± 3 | -46 ± 3 |
| Directivity | OMNI | OMNI | OMNI | OMNI | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 1.5 | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Resistance Loading RL (Ω) | 3K | 3K | 3K | 2.2K | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Sensitivity Reduction Within 1V (dB) | -3 | -3 | -3 | | | | |
| Sensitivity Reduction Within 2V (dB) | | | | -3 | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 | > 60 | > 60 | > 60 | > 60 |

DIMENSION

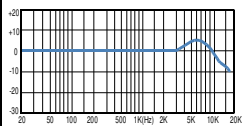


C9767



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

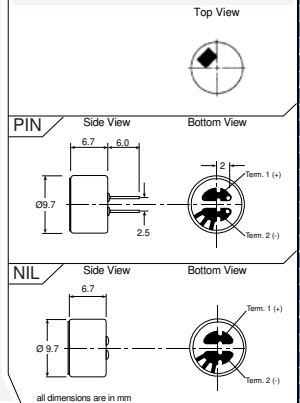
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | C9767BC363 | C9767BC383 | C9767BC403 | C9767BC423 | C9767BC443 | C9767BC362 | C9767BC422 | C9767BC442 |
|--------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sensitivity (dB) | -36 ± 3 | -38 ± 3 | -40 ± 3 | -42 ± 3 | -44 ± 3 | -38 ± 2 | -42 ± 2 | -46 ± 2 |
| Directivity | OMNI | OMNI | OMNI | OMNI | OMNI | OMNI | OMNI | OMNI |
| Power Supply Vs (V) | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 4.5 | 4.5 | 4.5 |
| Resistance Loading RL (Ω) | 1.5K | 1.5K | 1.5K | 1.5K | 1.5K | 2.2K | 2.2K | 2.2K |
| Max Current (mA) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.8 | 0.8 |
| Frequency Range (Hz) | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 | 50 - 16000 |
| Max. Operation Voltage (V) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Sensitivity Reduction Within 1V (dB) | -3 | -3 | -3 | -3 | -3 | | | |
| Sensitivity Reduction Within 2V (dB) | | | | | | -3 | -3 | -3 |
| S/N Ratio (dB) | > 60 | > 60 | > 60 | > 60 | > 60 | > 60 | > 60 | > 60 |

DIMENSION

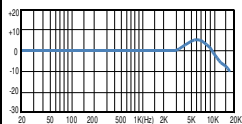


CF1055



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

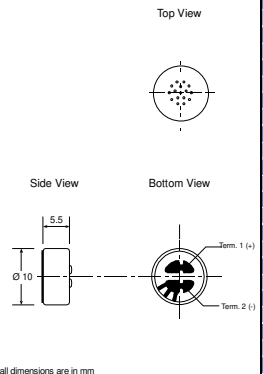
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | CF1055BD 383 |
|---------------------------------------|--------------|
| Sensitivity (dB) | -38 ± 3 |
| Directivity | OMNI |
| Power Supply Vs (V) | 1.5 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 50 - 16000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

DIMENSION

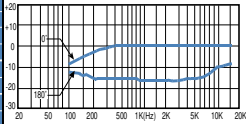


U6030



| COLOUR | HOUSING | TERMINAL |
|--------|----------|-----------|
| SILVER | ALUMINUM | PIN / NIL |

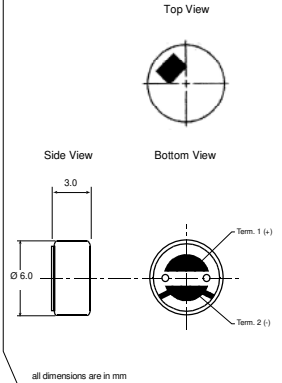
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | U6030CD464 |
| Sensitivity (dB) | -46 +/- 4 |
| Directivity | UNI |
| Power Supply Vs (V) | 2 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

DIMENSION

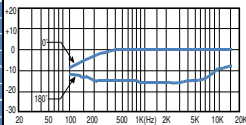


U6035



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

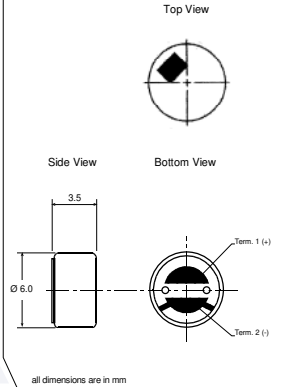
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | U6035CD464 |
| Sensitivity (dB) | -46 +/- 4 |
| Directivity | UNI |
| Power Supply Vs (V) | 2 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

DIMENSION

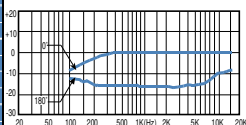


U6052



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

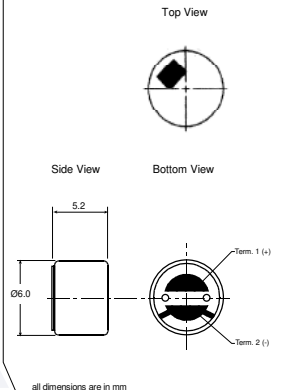
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | U6052CD504 |
| Sensitivity (dB) | -50 +/- 4 |
| Directivity | UNI |
| Power Supply Vs (V) | 2 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

DIMENSION

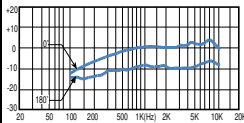


U8052



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | U8052CD464 |
| Sensitivity (dB) | -46 +/- 4 |
| Directivity | UNI |
| Power Supply Vs (V) | 2 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

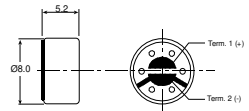
DIMENSION

Top View



Side View

Bottom View



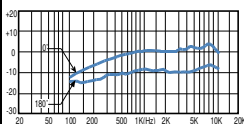
all dimensions are in mm

U9752



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---------------------------------------|-------------|
| Model No. | U9752BA474 |
| Sensitivity (dB) | -47 +/- 4 |
| Directivity | UNI |
| Power Supply Vs (V) | 1.5 |
| Resistance Loading RL (Ω) | 680 |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

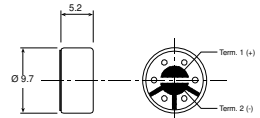
DIMENSION

Top View



Side View

Bottom View



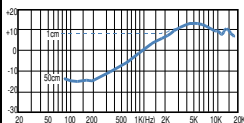
all dimensions are in mm

N4530



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | N4530CD543 |
| Sensitivity (dB) | -54 +/- 3 |
| Directivity | NOISE |
| Power Supply Vs (V) | 2.0 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

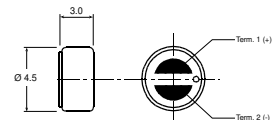
DIMENSION

Top View



Side View

Bottom View



all dimensions are in mm

60

Condenser Microphone

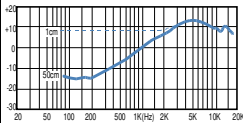
LAUBE

N6027



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | N6027CD514 |
| Sensitivity (dB) | -51 +/- 4 |
| Directivity | NOISE |
| Power Supply Vs (V) | 2.0 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

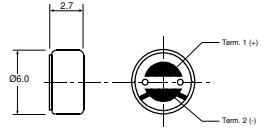
DIMENSION

Top View



Side View

Bottom View



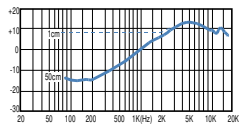
all dimensions are in mm

N6035



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---|-------------|
| Model No. | N6035CD464 |
| Sensitivity (dB) | -46 +/- 4 |
| Directivity | NOISE |
| Power Supply Vs (V) | 2.0 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1.5 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

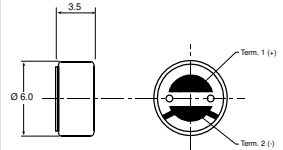
DIMENSION

Top View



Side View

Bottom View



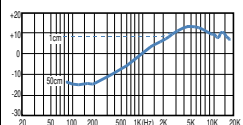
all dimensions are in mm

N6052



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|---------------------------------------|-------------|
| Model No. | N6052BD504 |
| Sensitivity (dB) | -50 +/- 4 |
| Directivity | NOISE |
| Power Supply Vs (V) | 1.5 |
| Resistance Loading RL (Ω) | 2.2K |
| Max Current (mA) | 0.5 |
| Frequency Range (Hz) | 100 - 10000 |
| Max. Operation Voltage (V) | 10 |
| Sensitivity Reduction within 1 V (dB) | -3 |
| S/N Ratio (dB) | > 60 |

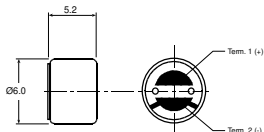
DIMENSION

Top View



Side View

Bottom View



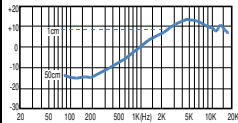
all dimensions are in mm

N9752



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

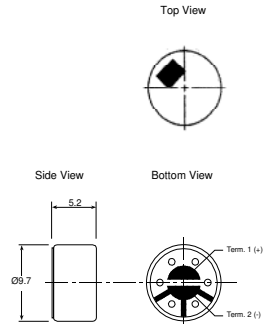
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | N9752BA544 |
|------------------------------------|--------------------|
| Sensitivity | (dB) -54 +/- 4 |
| Directivity | NOISE |
| Power Supply Vs | (V) 1.5 |
| Resistance Loading RL | (Ω) 680 |
| Max Current | (mA) 0.5 |
| Frequency Range | (Hz) 100 - 10000 |
| Max. Operation Voltage | (V) 10 |
| Sensitivity Reduction within 1.5 V | (dB) -3 |
| S/N Ratio | (dB) > 60 |

DIMENSION



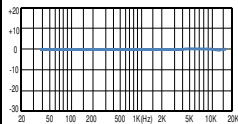
all dimensions are in mm

B6022



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

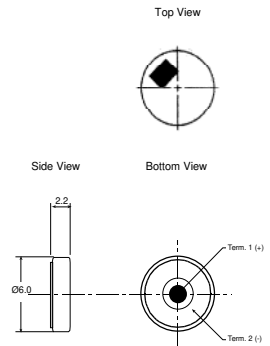
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | B6022ED464 |
|------------------------------------|-------------------|
| Sensitivity | (dB) -46 +/- 4 |
| Directivity | BACK-OMNI |
| Power Supply Vs | (V) 3.0 |
| Resistance Loading RL | (Ω) 2.2K |
| Max Current | (mA) 0.5 |
| Frequency Range | (Hz) 50 - 16000 |
| Max. Operation Voltage | (V) 10 |
| Sensitivity Reduction within 2.5 V | (dB) -3 |
| S/N Ratio | (dB) > 60 |

DIMENSION



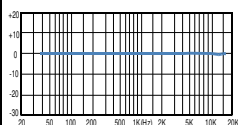
all dimensions are in mm

B6027



| COLOUR | HOUSING | TERMINAL |
|--------|----------|----------|
| SILVER | ALUMINUM | NIL |

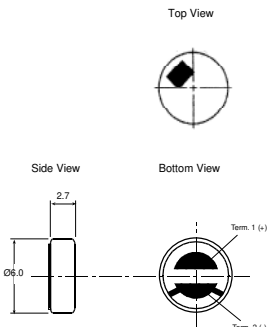
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| Model No. | B6027ED464 |
|------------------------------------|-------------------|
| Sensitivity | (dB) -46 +/- 4 |
| Directivity | BACK-OMNI |
| Power Supply Vs | (V) 3.0 |
| Resistance Loading RL | (Ω) 2.2K |
| Max Current | (mA) 0.5 |
| Frequency Range | (Hz) 50 - 16000 |
| Max. Operation Voltage | (V) 10 |
| Sensitivity Reduction within 2.5 V | (dB) -3 |
| S/N Ratio | (dB) > 60 |

DIMENSION



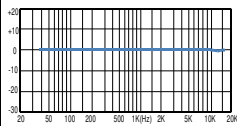
all dimensions are in mm

B6035



| COLOUR | HOUSING | TERMINAL |
|--------|-----------|----------|
| SILVER | ALUMINIUM | NIL |

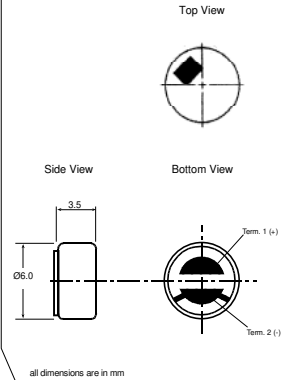
FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|------------------------------------|-------------------|
| Model No. | B6035ED464 |
| Sensitivity | (dB) -46 +/- 4 |
| Directivity | BACK-OMNI |
| Power Supply Vs | (V) 3.0 |
| Resistance Loading RL | (Ω) 2.2K |
| Max Current | (mA) 0.5 |
| Frequency Range | (Hz) 50 - 16000 |
| Max. Operation Voltage | (V) 10 |
| Sensitivity Reduction within 2.5 V | (dB) -3 |
| S/N Ratio | (dB) > 60 |

DIMENSION

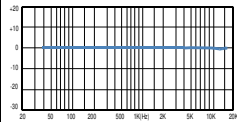


B6052



| COLOUR | HOUSING | TERMINAL |
|--------|-----------|----------|
| SILVER | ALUMINIUM | NIL |

FREQUENCY RESPONSE CURVE



ELECTRICAL SPECIFICATIONS

| | |
|------------------------------------|-------------------|
| Model No. | B6052ED464 |
| Sensitivity | (dB) -46 +/- 4 |
| Directivity | BACK-OMNI |
| Power Supply Vs | (V) 3.0 |
| Resistance Loading RL | (Ω) 2.2K |
| Max Current | (mA) 0.5 |
| Frequency Range | (Hz) 50 - 16000 |
| Max. Operation Voltage | (V) 10 |
| Sensitivity Reduction within 2.5 V | (dB) -3 |
| S/N Ratio | (dB) > 60 |

DIMENSION

