200 kHz-BB

Power rating: 250 W rms @ 2% duty cycle
28mm (1.1”) BT
Active Area: 6.1 cm²
Layered Plastic Epoxy Window

Beamwidth:
-3dB: 14°
-6dB: 19°
-10dB: 24°

Directivity Index: 21.6
Frequency Tolerance: ±4 kHz
Peak TVR\(^{(1)}\), nominal: 156 dB
Peak TVR\(^{(1)}\), minimum: 154 dB
Q (transmit): 10
Peak Source Level\(^{(4)}\): 212 dB
Peak RVR\(^{(2)}\), nominal: -186 dB
Peak Figure of Merit\(^{(3)}\): -31 dB

Notes:
(1) dB re 1 μPa per volt at 1 meter
(2) dB re 1 volt per μPa
(3) sum of transmitting voltage response and receiving voltage response
(4) Nominal peak TVR, rated power, and no cavitation

---

**Transmit Radiation Pattern**

---

**TVR**

**RVR**

**Figure of Merit**
Technical Data Catalog

200 kHz-BB

28mm (1.1") BT
Cable Type: C2
Cable Length: 7.6m (25')

<table>
<thead>
<tr>
<th></th>
<th>Balanced</th>
<th>Unbalanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallel: Rp.</td>
<td>1580ohms-20%,+40%</td>
<td>1585ohms-20%,+40%</td>
</tr>
<tr>
<td>Parallel: Cp. (nominal)</td>
<td>990pF</td>
<td>990pF</td>
</tr>
<tr>
<td>Series [R – jX] (nominal)</td>
<td>325 – 640 ohms</td>
<td>315 – j635ohms</td>
</tr>
<tr>
<td>1 kHz Capacitance</td>
<td>1060±20%</td>
<td>1070±20%</td>
</tr>
</tbody>
</table>

Unbalanced Impedance

Balanced Impedance

Unbalanced Admittance

Balanced Admittance
**Technical Data Catalog**

**200 kHz-BB**

Power rating: 250 W rms @ 2% duty cycle

28mm (1.1") BT

Active Area: 6.1cm²

Layered Plastic Urethane Window

Beamwidth:

-3dB: 14°

-6dB: 19°

-10dB: 24°

Directivity Index: 21.6

Frequency Tolerance: ±4kHz

Peak TVR\(^{(1)}\), nominal: 161dB

Peak TVR\(^{(1)}\), minimum: 159dB

Q (transmit): 41

Peak Source Level\(^{(4)}\): 212dB

Peak RVR\(^{(2)}\), nominal: -187dB

Peak Figure of Merit\(^{(3)}\): -29dB

Notes:

(1) dB re 1 µPa per volt at 1 meter

(2) dB re 1 volt per µPa

(3) sum of transmitting voltage response and receiving voltage response

(4) Nominal peak TVR, rated power, and no cavitation

---

**Transmit Radiation Pattern**

**TVR**

![Graph of TVR](image1)

**RVR**

![Graph of RVR](image2)

**Figure of Merit**

![Graph of Figure of Merit](image3)
200 kHz-BB

28mm (1.1") BT
Cable Type: C2
Cable Length: 9.1m (30')

<table>
<thead>
<tr>
<th>Impedance Data</th>
<th>Balanced</th>
<th>Unbalanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallel: Rp.</td>
<td>405 ohms-20%,+40%</td>
<td>400 ohms-20%,+40%</td>
</tr>
<tr>
<td>Parallel: Cp. (nominal)</td>
<td>105pF</td>
<td>950pF</td>
</tr>
<tr>
<td>Series [R – jX] (nominal)</td>
<td>540 – j40 ohms</td>
<td>380 – j250 ohms</td>
</tr>
<tr>
<td>1 kHz Capacitance</td>
<td>1080±20%</td>
<td>1940±20%</td>
</tr>
</tbody>
</table>
200 kHz-BB

Power rating: 250 W rms @ 2% duty cycle
28mm (1.1") BT
Active Area: 6.1cm²
Urethane Window

Beamwidth:
-3dB: 14°
-6dB: 19°
-10dB: 23°

Directivity Index: 21.6
Frequency Tolerance: ±4kHz
Peak TVR(1), nominal: 159dB
Peak TVR(1), minimum: 157 dB
Q (transmit): 24
Peak Source Level(4): 212dB
Peak RVR(2), nominal: -187dB
Peak Figure of Merit(3): -29dB

Notes:
(1) dB re 1 μPa per volt at 1 meter
(2) dB re 1 volt per μPa
(3) sum of transmitting voltage response and receiving voltage response
(4) Nominal peak TVR, rated power, and no cavitation

---

**Transmit Radiation Pattern**

---

**dB(1) TVR**

**dB(2) RVR**

**dB(3) Figure of Merit**

---

**Frequency (kHz)**
200 kHz-BB

28mm (1.1") BT
Cable Type: C2
Cable Length: 9.1m (30')

<table>
<thead>
<tr>
<th>Impedance Data</th>
<th>Balanced</th>
<th>Unbalanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parallel: Rp.</td>
<td>545ohms-20%, +40%</td>
<td>525ohms-20%, +40%</td>
</tr>
<tr>
<td>Parallel: Cp. (nominal)</td>
<td>1775pF</td>
<td>1680pF</td>
</tr>
<tr>
<td>Series [R – jX] (nominal)</td>
<td>210 – j300 ohms</td>
<td>300 – j250ohms</td>
</tr>
<tr>
<td>1 kHz Capacitance</td>
<td>1300±20%</td>
<td>1300±20%</td>
</tr>
</tbody>
</table>

Unbalanced Impedance

Unbalanced Admittance

Balanced Impedance

Balanced Admittance