



USER MANUAL FOR

DC-502

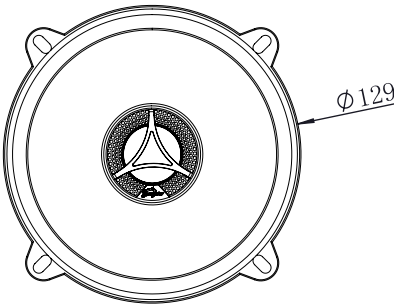
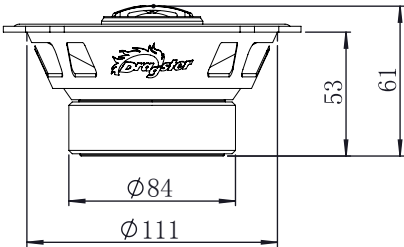
5.2 INCH 2-WAY CAR COAXIAL SPEAKER

DC-502  
5.2 Inch 2-Way Car Coaxial Speaker  
1.2" Voice coil, 4 Ω



SPECIFICATIONS

| General Data                     |                   |           | Unit   |
|----------------------------------|-------------------|-----------|--------|
| Type                             | Woofer            | Tweeter   |        |
| Overall Dimensions               | 130*70            |           | mm     |
| Nominal Power Handling           | 40                |           | W      |
| Transient Power 10ms             | 80                |           | W      |
| Sensitivity                      | 86                |           | dB     |
| Frequency Response               | 105-20K           |           | Hz     |
| Cone Material                    | Fiberglass        | Silk      |        |
| Net Weight                       | 0.7               |           | kg     |
| Electrical Data                  |                   |           |        |
| Nominal Impedance                | 4                 | 4         | Ohm    |
| DC Resistance                    | 3.4               | 3.6       | Ohm    |
| Voice Coil and Magnet Parameters |                   |           |        |
| Voice Coil Diameter              | 30.5              | 25.4      | mm     |
| Voice Coil Height                | 8.1               | 1.5       | mm     |
| HE Magnetic Gap Height           | 4                 | 2         | mm     |
| Max.Linear Excursion             | 2.05              |           | mm     |
| Voice Coil bobbin                | KAPTON            | Aluminum  |        |
| Voice Coil Wire                  | Copper            | CCAW      |        |
| Number Of Layers                 | 2                 | 2         | layers |
| Magnet System Type               | High Flux Ferrite | Neodymium |        |
| BL Product                       | 4.18              |           | N.A    |
| T-S Parameters                   |                   |           |        |
| Suspension Compliance            | Cms               | 0.31      |        |
| Mechanical Q Factor              | Qms               | 5.85      |        |
| Electrical Q Factor              | Qes               | 0.88      |        |
| Total Q Factor                   | Qts               | 0.76      |        |
| Moving Mass                      | Mms               | 7.31      |        |
| Eq.Cas Air Load( liters)         | VAS               | 2.73      | Liter  |
| Resonant Frequency               | Fs                | 105       | Hz     |
| Effective Piston Area            | SD                | 78.5      | cm²    |



FOR REFERENCE ONLY

