

**order part DDRF-830ZZRA1P24LG Miniature  
Ball Bearings Metric Bearing Series**



**Metric Bearing Series**

## Detailed Specifications

|                                       |                  |
|---------------------------------------|------------------|
| <b>Metric:</b>                        | Flanged Shielded |
| <b>Bore Diameter:</b>                 | 3[mm]            |
| <b>Outside Diameter:</b>              | 8[mm]            |
| <b>Width:</b>                         | 4[mm]            |
| <b>Bore Diameter:</b>                 | 0.1181[in]       |
| <b>Outside Diameter:</b>              | 0.315[in]        |
| <b>Width:</b>                         | 0.1575[in]       |
| <b>Flange Diameter (D1):</b>          | 9.5[mm]          |
| <b>Flange Width (C1):</b>             | 0.9[mm]          |
| <b>Fillet Radius (rsmin):</b>         | 0.15[mm]         |
| <b>Reference Diameter Inner (Li):</b> | 4.1[mm]          |
| <b>Reference Diameter Outer (Lo):</b> | 7.19[mm]         |
| <b>Ball Size (DW):</b>                | 1.588[mm]        |
| <b>Ball Complement (Z):</b>           | 6                |
| <b>Dynamic Load Rating (Cr):</b>      | 553[N]           |
| <b>Static Load Rating (Cor):</b>      | 176[N]           |
| <b>ISO/JIS Number:</b>                | F693ZZ           |
| <b>Flange Diameter (D1):</b>          | 0.374[in]        |
| <b>Flange Width (C1):</b>             | 0.0354[in]       |
| <b>Fillet Radius (rsmin):</b>         | 0.006[in]        |
| <b>Reference Diameter Inner (Li):</b> | 0.161[in]        |
| <b>Reference Diameter Outer (Lo):</b> | 0.283[in]        |
| <b>Ball Size (DW):</b>                | 0.0625[in]       |
| <b>Dynamic Load Rating Cr:</b>        | 553[N]           |
| <b>Static Load Rating Cor:</b>        | 176[N]           |