

# LNG1SZ 42-1024, LNG1R

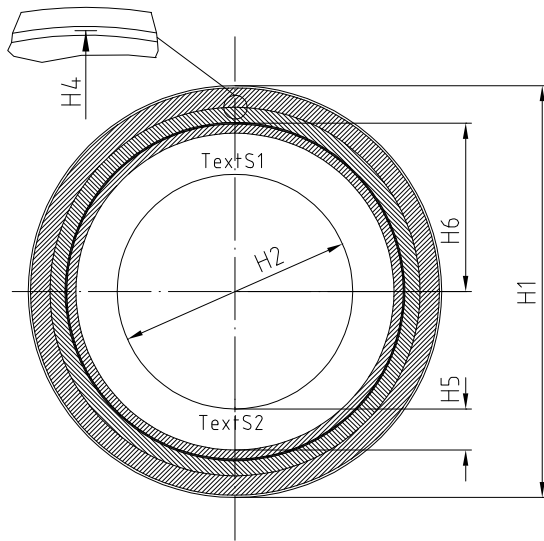
## iC-LNG Encoder Disc and Code Description



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| ORDERING INFORMATION |                     |   |
|----------------------|---------------------|---|
| Type                 | Order Designation   | Description/Options   |
| Encoder Disc         | LNG1SZ 42-1024      | Code Disc<br>1024 PPR, dia 42 mm  |
| System Description   | LNG1RSZ_42-1024 DXF | For further description of assembly Autocad DXF data is available on request separately |

| PHYSICAL DIMENSIONS: Code Disc |                                    |                             |                |                       |                  |                |
|--------------------------------|------------------------------------|-----------------------------|----------------|-----------------------|------------------|----------------|
| Item                           | Parameter                          | Comments                    | [mm]           | Tolerance             |                  |                |
| H1                             | Outer Diameter                     |                             | 42.0           | $\pm 100 \mu\text{m}$ |                  |                |
| H2                             | Inner Diameter                     |                             | 18.0           | $+ 200 \mu\text{m}$   |                  |                |
| H3                             | Thickness                          |                             | 1              | $\pm 100 \mu\text{m}$ |                  |                |
| H4                             | Radius of chip center              | referred to origin          | 17.40          |                       |                  |                |
| H5                             | Distance pattern to drill hole     |                             | 3.0            |                       |                  |                |
| H6                             | Alignment Circle                   | end<br>begin                | 15.18<br>15.16 | 17.255<br>17.235      | 17.965<br>17.945 | 19.64<br>19.62 |
| H7                             | Recommended LED Spot Center        |                             | 17.40          |                       |                  |                |
| H8                             | Recommended LED Spot Diameter      |                             | 5.6            |                       |                  |                |
| H9                             | Text S1                            | readable on side of pattern |                | LNG1SZ                |                  |                |
| H10                            | Text S2                            | readable on side of pattern |                | 42-1024               |                  |                |
| H12                            | Radius of middle of SIN/COS tracks | referred to origin          | 17.60          |                       |                  |                |



| TRACK LAYOUT: Code Disc  |  |
|--|--|
| <p>The diagram shows a cross-section of the track layout on the disc. It features a series of tracks with varying heights and widths. The text 'LNG1SZ' is visible on the disc surface. Arrows point to 'Chrome' and 'Free from Chrome' regions.</p> |  |
| Chrome Side is Top Side  |  |

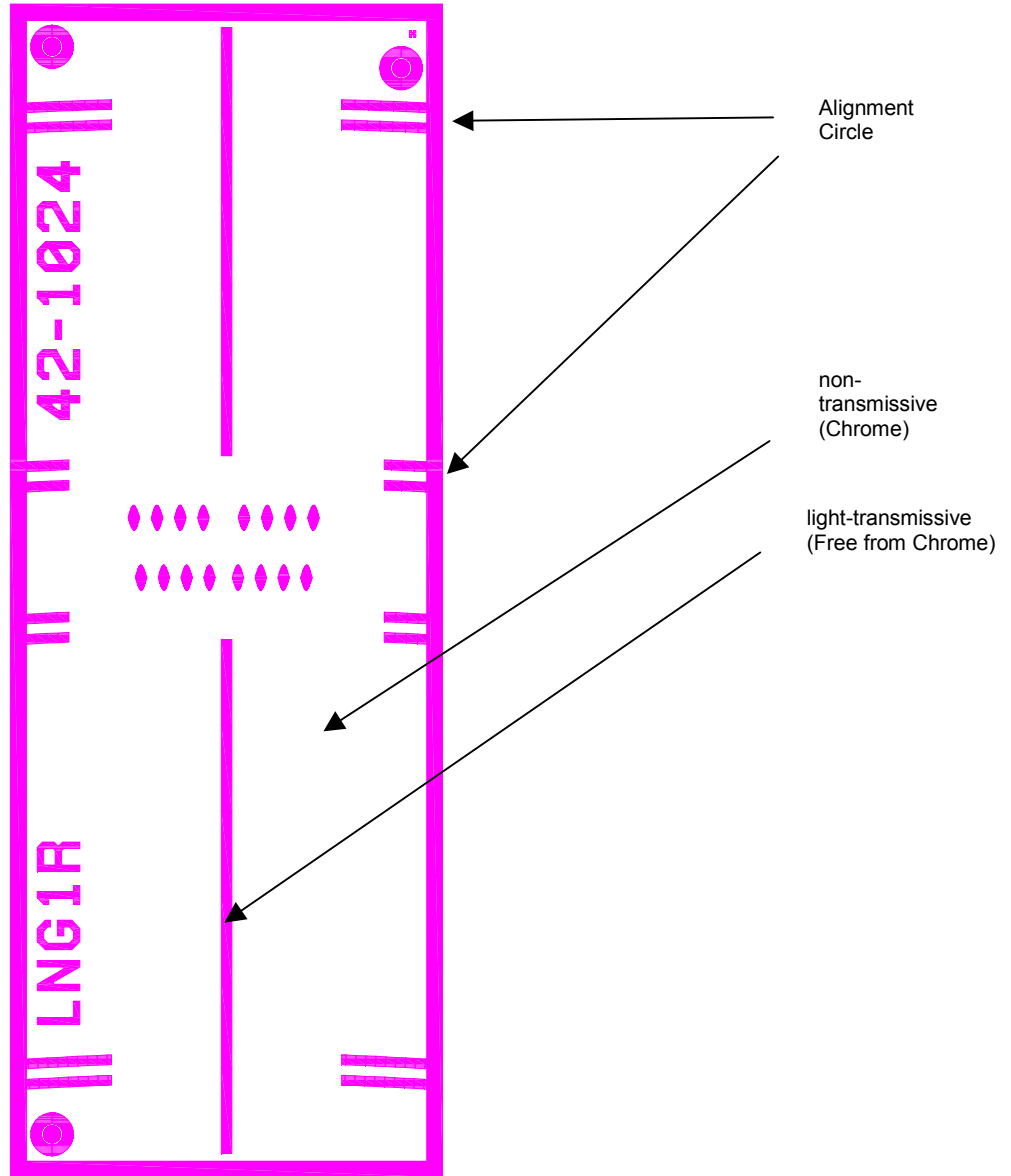
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## iC-LNG Encoder Disc and Code Description



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### LAYOUT: Reticle



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