



## LOGI TAG 120 Hitag S

|                     |  |                  |  |
|---------------------|--|------------------|--|
| <b>Chip type:</b>   | Hitag S – read / write 256 bits or 2kbits, or read only 32 bits        |                  | * Test conditions and remarks          |
| <b>Physical:</b>    | Diameter:  | 12.4 mm ± 0.2 mm |  |
|                     | Thickness:   | 2.0 +0.4/-0mm    |  |
|                     | Weight:  | 0.6 g            |  |
|                     | Material:  | PPS + Epoxy      |  |
|                     | Color:   | Black            |  |
| <b>Electrical:</b>  | Operating frequency:   | 125 kHz ± 6 kHz  | * At room temperature                  |
| <b>Chemical:</b>    | Water immersion IP68   |                  | * 20°C, 24h, 1m                        |
|                     | Aqueous solution of salts,   |                  | * 20°C, 100 h                          |
|                     | Unleaded gasoline, Petroleum, motor oil                                |                  | * 20°C, 100 h                          |
|                     | HCL (10%), bleach, formic acid (PH7), caustic soda (PH11)              |                  | * 20°C, 100 h                          |
| <b>Mechanical:</b>  | Axial compression strength   | 800 N            | * 10s                                  |
|                     | Radial compression strength  | 500 N            | * 10s                                  |
|                     | Vibration  | IEC 68.2.6       | * 10 g, 10...2000 Hz, 3 axis, 2.5 h    |
|                     | Shock  | IEC 68.2.29      | * 40 g, 6 ms, 6 axis, 2000 times       |
| <b>Thermal:</b>     | Storage:   | -40°C to +130 °C | * 1x 1000h                             |
|                     |  | +160 °C          | * 1x 35h                               |
|                     | Shock/fatigue:   | -20°C to +160 °C | * 100x 10min with transposition in 30s |
|                     | Operating:   | -25°C to +85°C   |  |
| <b>Part number:</b> | 621115 for Hitag S 32, 623115 for Hitag S 256, 624115 for Hitag S 2048 |                  |  |

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