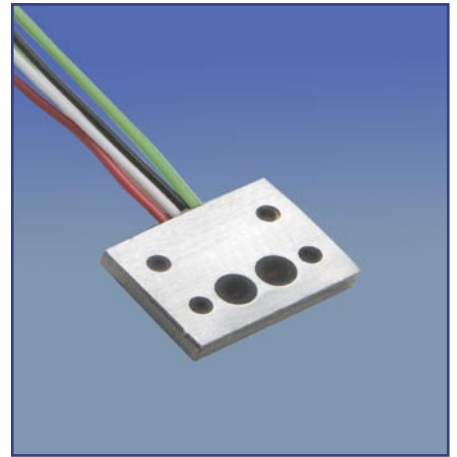


- ▶ **Optimized for vacuum applications up to  $10^{-8}$  mbar**
- ▶ **Superflat design**
- ▶ **Smallest sensor in the market**
- ▶ **For detection of two-dimensional objects**
- ▶ **Designed for paddle shaped effectors**



**REFLECTIVE BEAM SENSOR  
for separate amplifier**

▶ **TECHNICAL DATA**

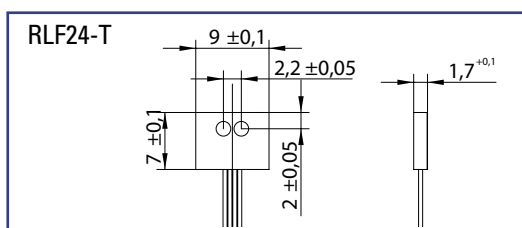
MODEL	RLF24-T
Light type	infrared 880nm
Operating temperature	-10°C to +55°C
Protection class	IP67
Sensing distance	10mm
Connection type	Teflon (PFA) coated wires
Dimensions	9mm x 7mm x 1,7mm
Housing material	stainless steel
Mounting	for gluing and clamping fixture

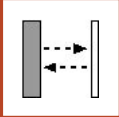
This sensor is designed for high vacuum applications. All materials have been selected in terms of outgassing characteristics:

- stainless steel, 1.4301
- Teflon (PFA) sheathed cable, type STC
- Epoxies NASA approved for space flight application\*

\*Detailed characteristics can be provided upon request.

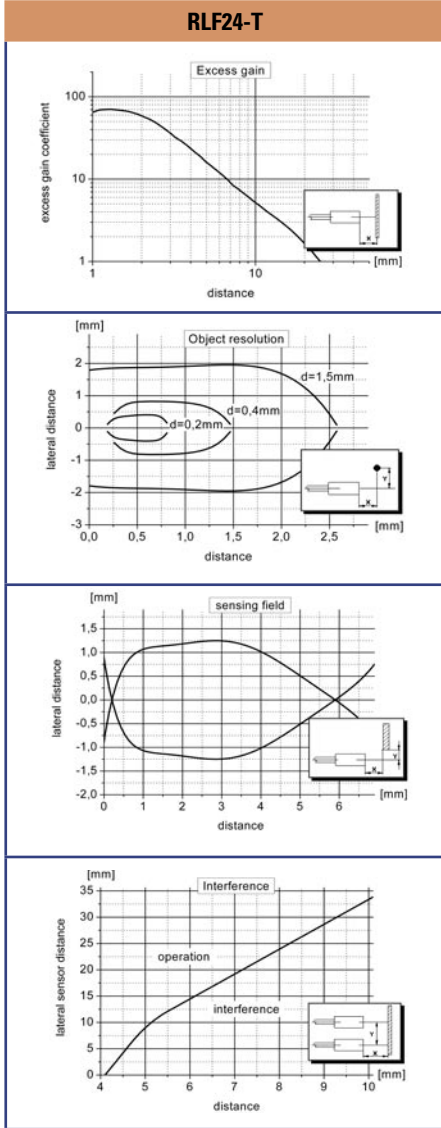
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





# RLF24-T

► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **WIRING**

emitter:	red:	LED <sup>+</sup>
	white:	LED <sup>-</sup>
receiver:	green:	FT <sup>+</sup>
	black:	FT <sup>-</sup>

	<p><b>connection</b> 99: individual Teflon (PFA) coated wires, open wire ends special connectors available on request</p>	<p><b>cable length</b> (specification in [m] ) - standard length 1m - special cable length available on request</p>
<b>PART DESIGNATION</b>	<p><b>Model - 99 :</b> <input style="width: 20px; height: 15px;" type="text"/></p>	
<b>ORDER EXAMPLE</b>	<p><b>RLF24-T - 99 : 1m</b> = RLF24 - Teflon coated wires - open ends : wire length 1m Please note, for correct operation, a separate amplifier is required.</p>	