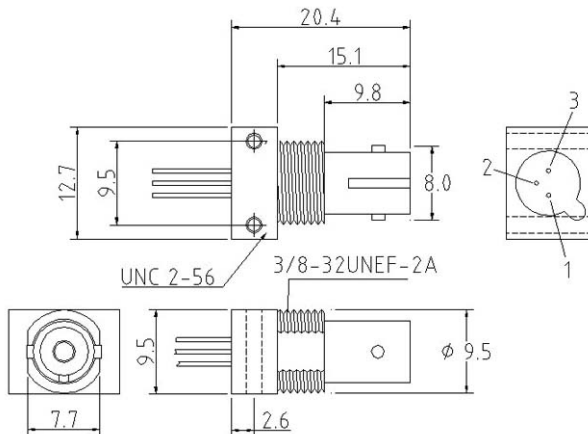


UNF24829-2T

Description:

Threaded metal ST[®] Board-Mount Receptacle, thread 3/8"-32 UNEF-2A, mounted with an non inverting 200 kBit/s digital TTL output receiver for fiber optic applications with 50/125µm or 62,5/125µm graded index fibers.

Dimensions:



Pinout:

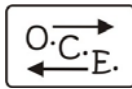
- 1 = Vcc, Pin shortened
- 2 = TTL-Out
- 3 = Ground

Supplied equipment:

- Component
- Hex nut 3/8"-32 UNEF-2A
- Washer
- Mounting screws 2-56
- Dust cap

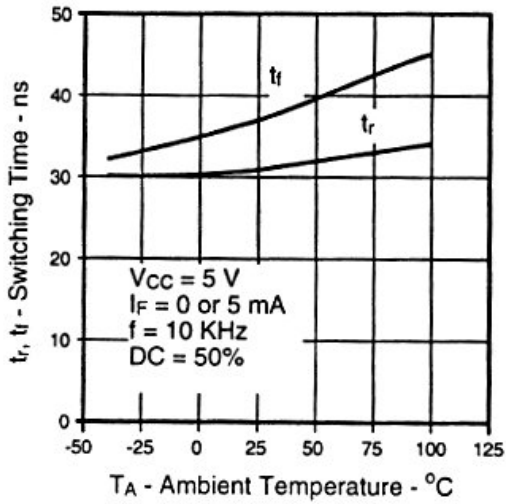
Technical Data

Sensitivity	1,5 µW (-28 dBm) typ. ($\lambda = 850 \text{ nm}$)
Supply voltage	5 V typ. (4,5...16,0 V)
Supply current	5 mA typ. , max. 12 mA
Datarate synchron	DC .. 200 kBaud
Datarate asynchron	DC .. 100 kBaud
PullUp-Resistor	not recommended
Pulse Width Distortion	max. 10 % ($P_{in} > 100 \mu\text{W}$, 20 kHz, 50% pulse ratio)
Propagation Delay t_{PLH}	0,6 µs typ. (Low -> High)
Propagation Delay t_{PHL}	3,0 µs typ. (High -> Low)
Rise time t_R	12 ns ($P_{in} > 1,5 \mu\text{W}$, $V_o = 0,4-2,4 \text{ V}$)
Fall time t_F	3 ns ($P_{in} < 0,1 \mu\text{W}$, $V_o = 2,4-0,4 \text{ V}$)
High-level	Vcc-1,5V typ. , 2,4 V min. ($P_{in} > 2 \mu\text{W}$)
Low-Level	0,4 V max. ($P_{in} < 0,1 \mu\text{W}$)
Material Receptacle	VA
Marking	UNF24829-2T
Operating temperature	-20 bis +85 °C
Storage temperature	-30 bis +100 °C

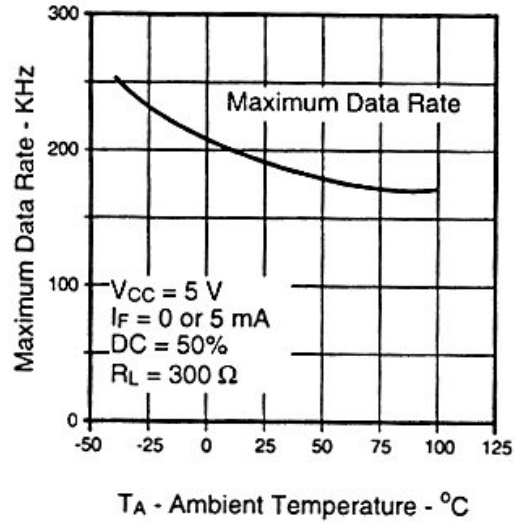


Diagrams:

Rise Time and Fall Time vs Ambient Temperature



Maximum Data Rate vs Ambient Temperature



Propagation Delay vs Ambient Temperature

