SAFETY AND INSULATION RATINGS						
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
Climatic classification	according to IEC 68 part 1			55/100/21		
Comparative tracking index		CTI	175		399	
V_{IOTM}			6000			V
V_{IORM}			560			V
P_{SO}					350	mW
I_{SI}					150	mA
T_{SI}					165	°C
Creepage			4			mm
Clearance			4			mm
Insulation thickness			0.2			mm

Note

€ As per IEC 60747-5-5, 7.4.3.8.1, this optocoupler is suitable for •safe electrical insulationŽ only within the safety ratings. Compliance with the safety ratings shall be ensured by means of prodective circuits.

TYPICAL CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)

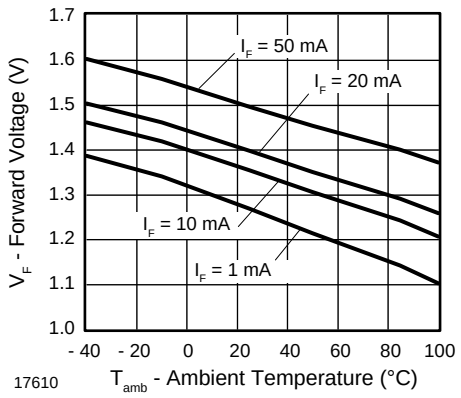

Fig. 6 - Forward Voltage vs. Ambient Temperature

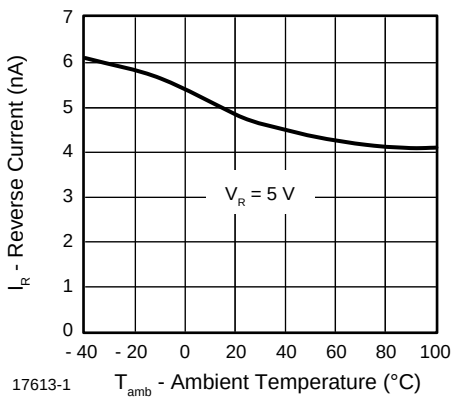

Fig. 8 - Reverse Current vs. Ambient Temperature

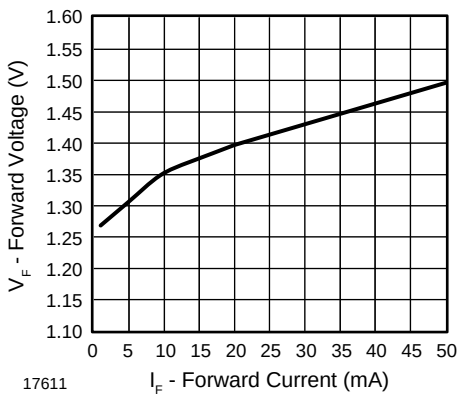

Fig. 7 - Forward Voltage vs. Forward Current

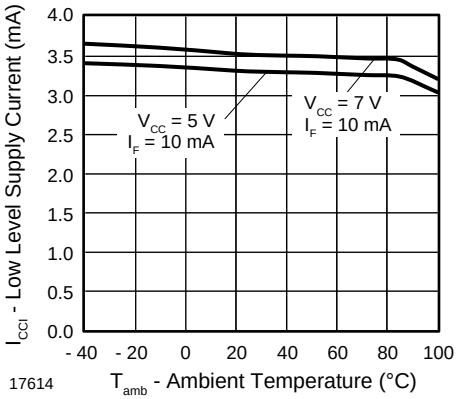

Fig. 9 - Low Level Supply Current vs. Ambient Temperature

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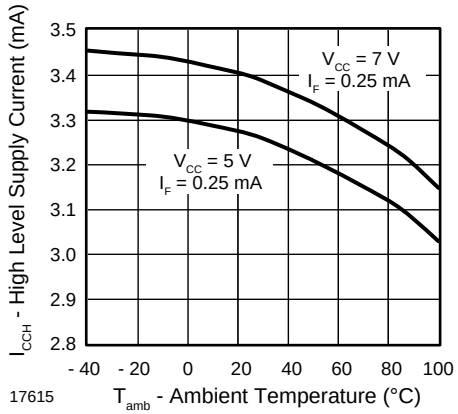

Fig. 10 - High Level Supply Current vs. Ambient Temperature

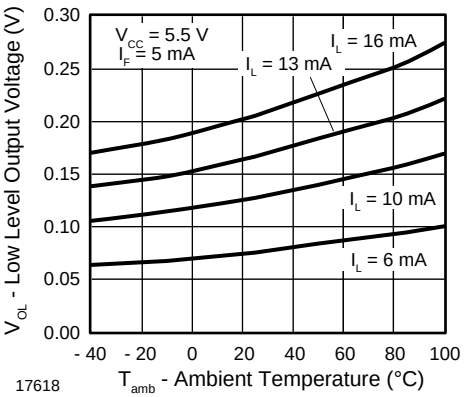

Fig. 13 - Low Level Output Voltage vs. Ambient Temperature

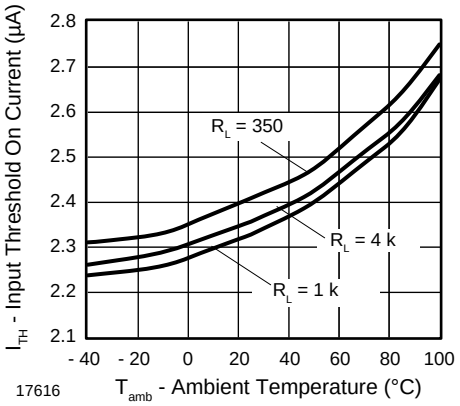

Fig. 11 - Input Threshold On Current vs. Ambient Temperature

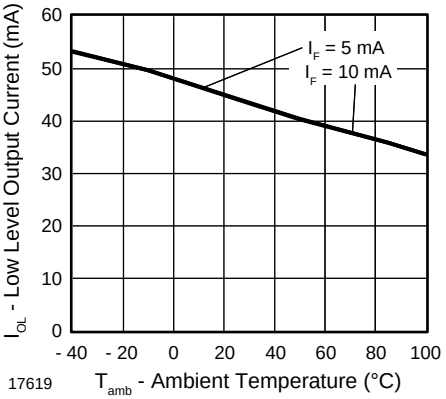

Fig. 14 - Low Level Output Current vs. Ambient Temperature

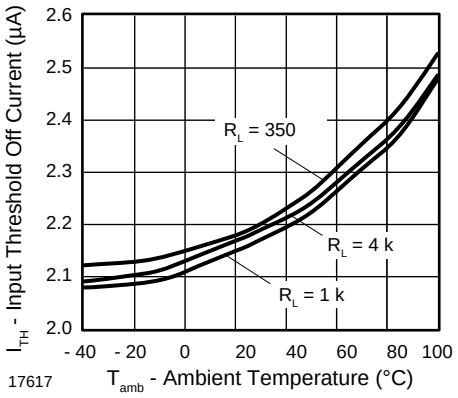

Fig. 12 - Input Threshold Off Current vs. Ambient Temperature

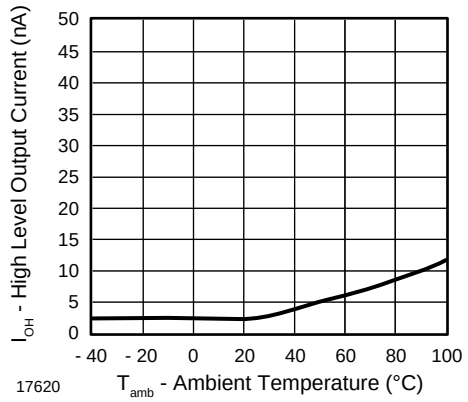

Fig. 15 - High Level Output Current vs. Ambient Temperature

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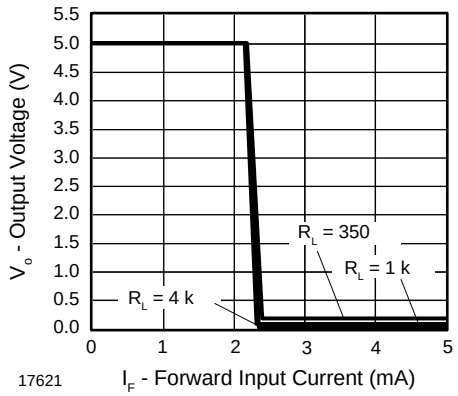

Fig. 16 - Output Voltage vs. Forward Input Current

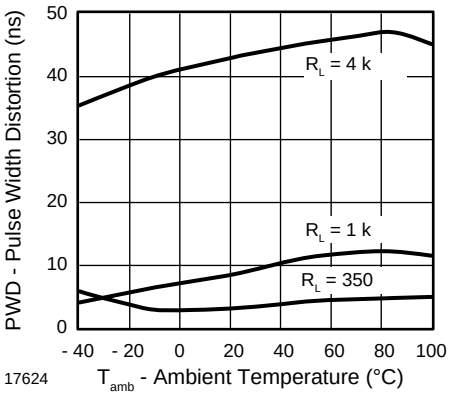

Fig. 19 - Pulse Width Distortion vs. Ambient Temperature

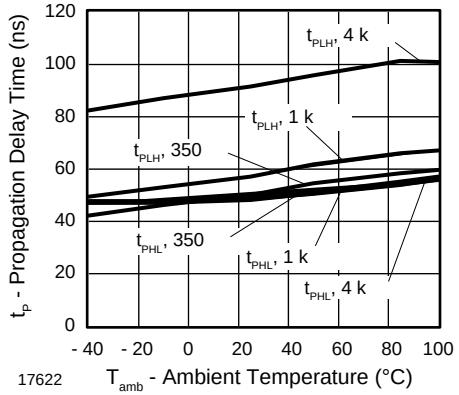

Fig. 17 - Propagation Delay vs. Ambient Temperature

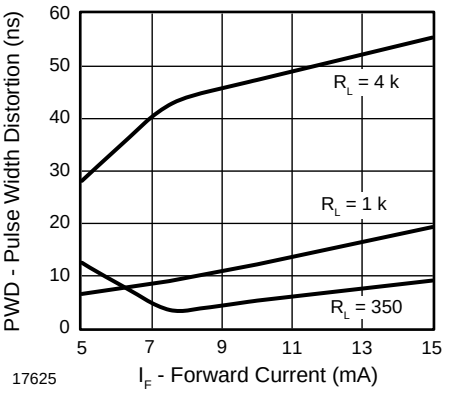

Fig. 20 - Pulse Width Distortion vs. Forward Current

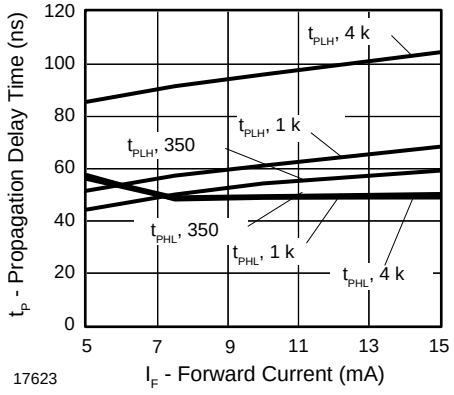

Fig. 18 - Propagation Delay vs. Forward Current

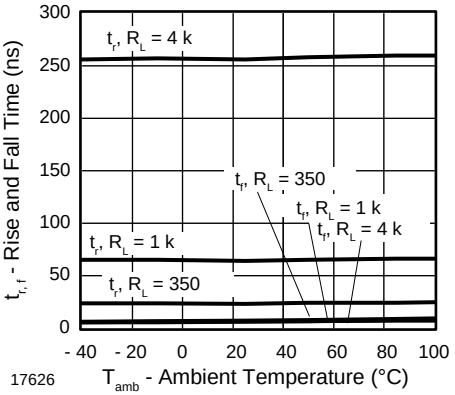

Fig. 21 - Rise and Fall Time vs. Ambient Temperature

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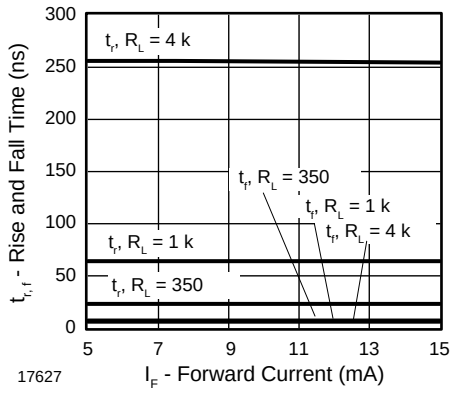


Fig. 22 - Rise and Fall Time vs. Forward Current

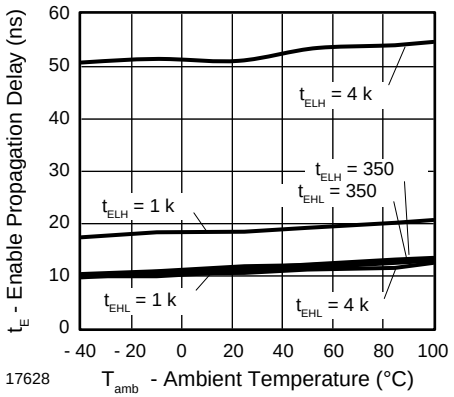
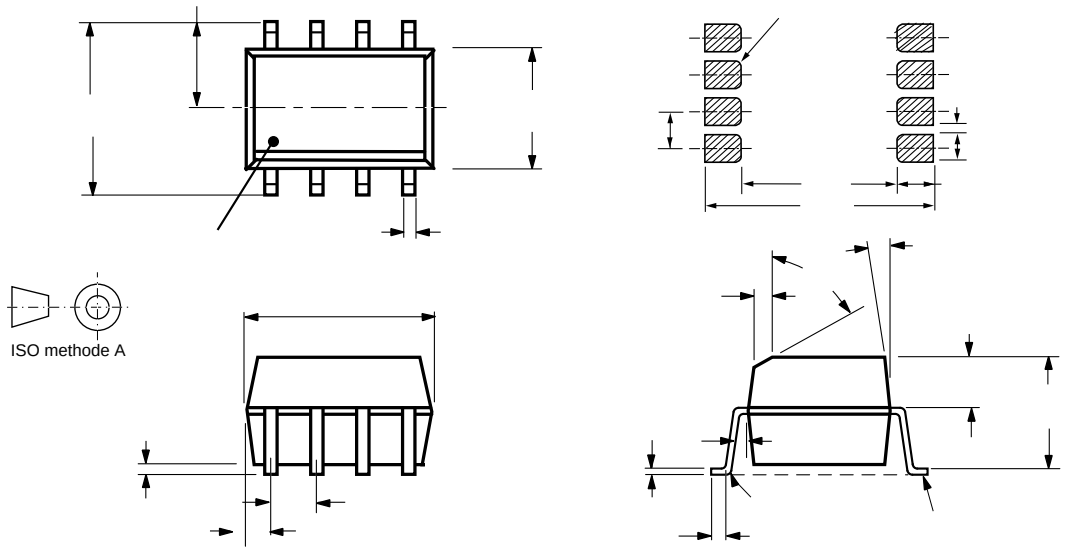
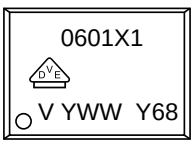


Fig. 23 - Enable Propagation Delay vs. Ambient Temperature

PACKAGE DIMENSIONS in millimeters



PACKAGE MARKING (example)



Notes

€ The VDE Logo is only marked on option1 parts.

€ Tape and reel suffix (T) is not part of the package marking.

ESD CAUTION

This is an ESD (electro static discharge) sensitive device. Electrostatic charges accumulate on the human body and test equipment and can discharge without detection. Therefore, proper ESD precautions are recommended to avoid performance degradation or loss of functionality. ESD withstand voltag e of this device is up to 1500 V acc. to JESD22-A114-B.

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