Product Change Notification

Product Group: OPT/Tuesday September 15, 2026/PCN-OPT-1507-2026-REV-0

Production line transfer of dual-channel phototransistor optocouplers in SOIC-8 packages

For further information, please contact your regional Vishay office.

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Description of Change: Manufacturing of the affected products will be transferred from the current Vishay production line to a qualified subcontract manufacturing partner. To align the product design with the process capabilities and manufacturing technologies of the subcontract manufacturing partner, the chipset and certain internal mechanical design elements have been revised.

Reason for Change: As part of an ongoing manufacturing network optimization initiative, Vishay is transferring production of the affected products to a qualified subcontract manufacturing partner. To support the transfer and ensure robust manufacturability within the subcontractor's qualified production processes, the product chipset and internal mechanical design have been optimized. This initiative enhances manufacturing flexibility, optimizes capacity utilization across the Vishay production network, and supports long-term continuity of supply while maintaining established quality, reliability, and performance standards.

Expected Influence on Quality/Reliability/Performance: No influence on quality, reliability and performance expected. The electrical characteristics and safety ratings will deviate in some parameters. The functionality of the parts remains unchanged and their performance is comparable. Nevertheless, we request our customers to test the product in their specific application.

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay Semiconductors

Time Schedule:

Start Shipment Date: Thursday April 1, 2027

Sample Availability: 30/09/2026

Product Identification: Product can be tracked by factory code.

Qualification Data: This change has been rigorously qualified by company and industry standard.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Thursday October 15, 2026 or as specified by contract.

Issued By: Lars Bayer, lars.bayer@vishay.com

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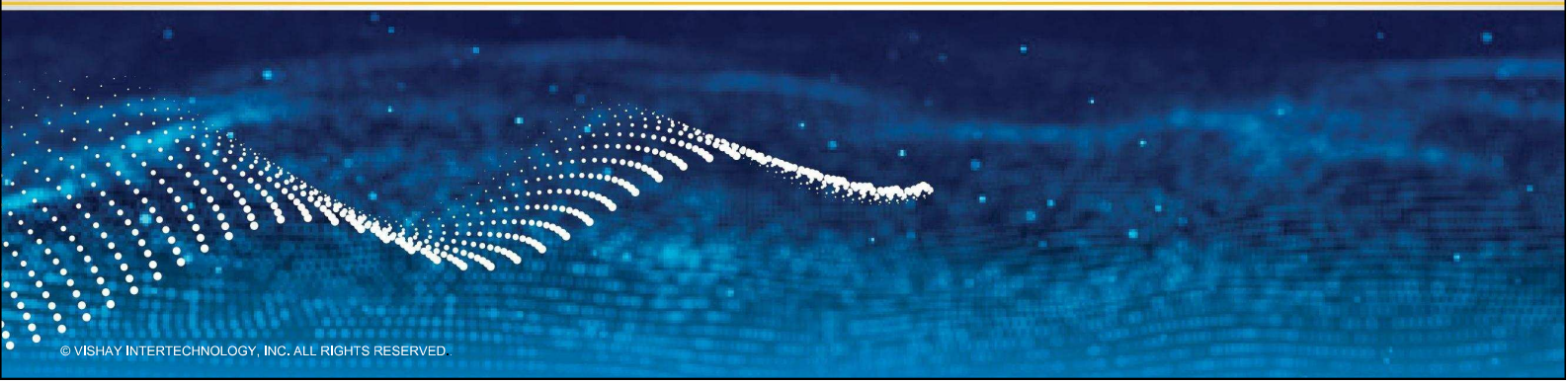
ILD1207T	ILD205T	ILD206T	ILD207T	ILD211T
ILD213T*	ILD217T*	VOD205T	VOD206T	VOD207T
VOD211T	VOD213T	VOD217T		

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PCN-OPT-1507-2024-REV-0
Comparison report based on ILD217T

August 2026



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ILD2xx datasheet parameter comparison

	Pre-PCN						Post-PCN					
ABSOLUTE MAXIMUM RATINGS (Tamb = 25 °C, unless otherwise specified)												
PARAMETER	**TEST CONDITION**	**SYMBOL**		**VALUE**		**UNIT**	**TEST CONDITION**	**SYMBOL**		**VALUE**		**UNIT**
INPUT												
Reverse voltage		VR		6		V		VR		6		V
Forward current		IF		30		mA		IF		30		mA
Peak pulsed current	1 µs, 300 pps			1		A	1 µs pulse	IFSM		1		A
Power dissipation		Pdiss		50		mW		Pdiss		50		mW
OUTPUT												
Collector emitter breakdown voltage		BVCEO		70		V		VCEO		70		V
Emitter collector breakdown voltage		BVECO		7		V				7		
Power dissipation		Pdiss		125		mW		Pdiss		125		mW
COUPLER												
Storage temperature		Tstg		-55 to +150		°C		Tstg		-55 to +150		°C
Operating temperature		Tamb		-55 to +100		°C		Tamb		-55 to +100		°C
Soldering temperature		Tsld		260		°C		Tsld		260		°C

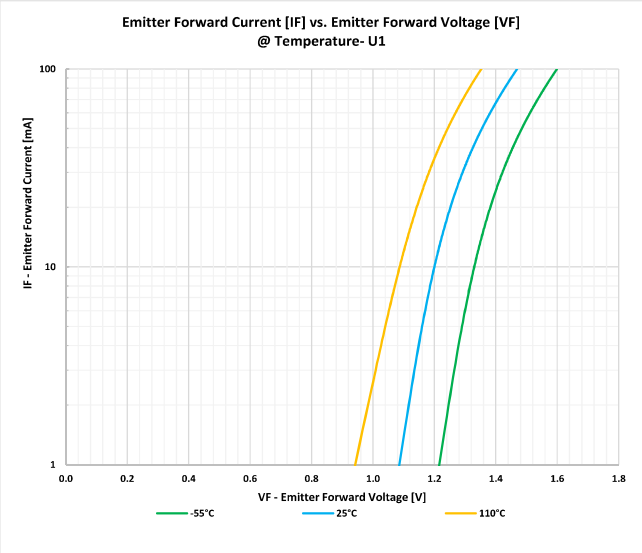
ELECTRICAL CHARACTERISTICS (Tamb = 25 °C, unless otherwise specified)												
PARAMETER	**TEST CONDITION**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**	**TEST CONDITION**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
INPUT												
Forward voltage	IF = 10 mA	VF		1.2	1.55	V	**IF** = 10 mA	VF		1.2	1.55	V
Reverse current	VR = 6 V	IR		0.1	100	µA	VR = 6 V	IR		0.1	100	µA
Capacitance	VR = 0 V	CIN		25		pF	VR = 0 V, f = 1 kHz	CIN		25		pF
OUTPUT												
Collector emitter breakdown voltage	IC = 10 µA	BVCEO	70			V	IC = 10 µA	BVCEO	70			V
Emitter collector breakdown voltage	IE = 10 µA	BVECO	7			V	IE = 10 µA	BVECO	7			V
Collector emitter leakage current	VCE = 10 V, IF = 0 mA	ICEO		5	50	nA	VCE = 10 V, IF = 0 mA	ICEO		5	50	nA
Collector emitter capacitance	VCE = 0 V	CCE		10		pF	VCE = 0 V	CCE		10		pF
COUPLER												
Capacitance (input to output)	VIO = 0 V, f = 1 MHz	CIO		0.5		pF	VIO = 0 V, f = 1 MHz	CIO		0.5		pF
Collector emitter saturation voltage	IF = 10 mA, ICE = 2.5 mA	VCEsat			0.4	pF	IF = 10 mA, ICE = 2.5 mA	VCEsat			0.4	pF

SAFETY AND INSULATION RATINGS												
PARAMETER	**TEST CONDITION**	**SYMBOL**		**VALUE**		**UNIT**	**TEST CONDITION**	**SYMBOL**		**VALUE**		**UNIT**
Climatic classification	According to IEC 68 part 1			55 / 100 / 21			According to IEC 68 part 1			55 / 100 / 21		
Comparative tracking index		CTI		175				CTI		175		
Maximum rated withstanding isolation voltage	t = 1 min	VISO		3333		Vac	t = 1 min	VISO		3750		Vac
Maximum transient isolation voltage		VIOTM		6000		Vpeak		VIOTM		6000		Vpeak
Maximum repetitive peak isolation voltage		VIORM		560		Vpeak		VIORM		565		Vpeak
Isolation resistance		RIO		100		GΩ		RIO		≥ 10^{12}		Ω
Output safety power		PSO		350		mW		PSO		125		mW
Input safety current		ISI		150		mA		ISI		50		mA
Safety temperature		TS		165		°C		TS		150		°C
Creepage distance				≥ 4		mm				≥ 5		mm
Clearance distance				≥ 4		mm				≥ 5		mm
Insulation thickness		DTI		≥ 0.2		mm		DTI		≥ 0.4		mm

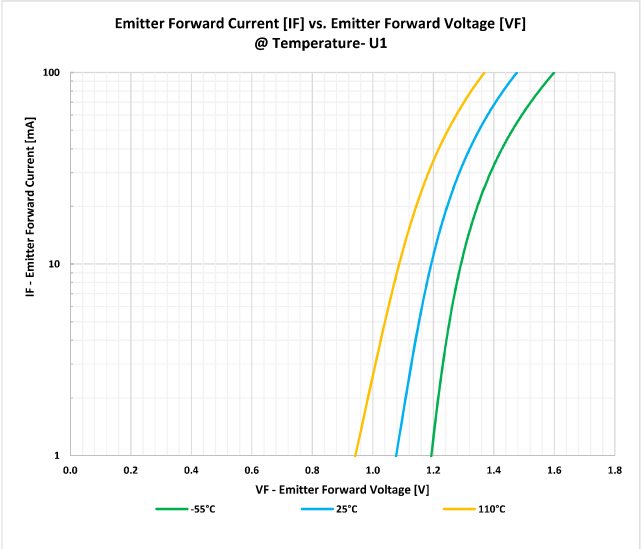
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IF vs VF @ Tamb

- Pre-PCN



- Post-PCN

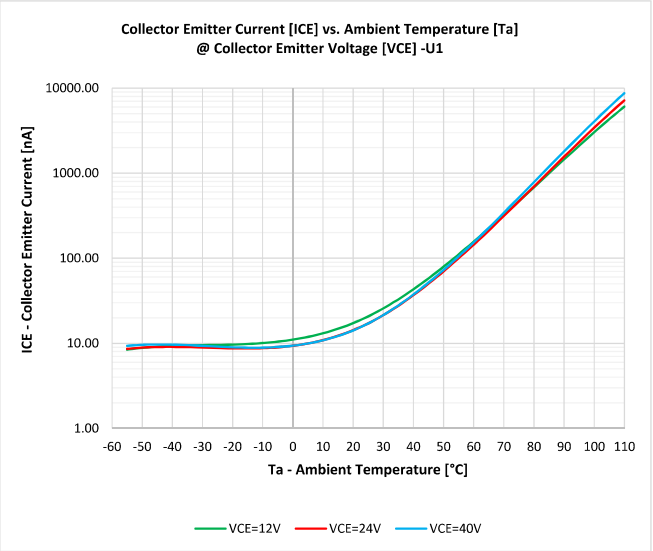


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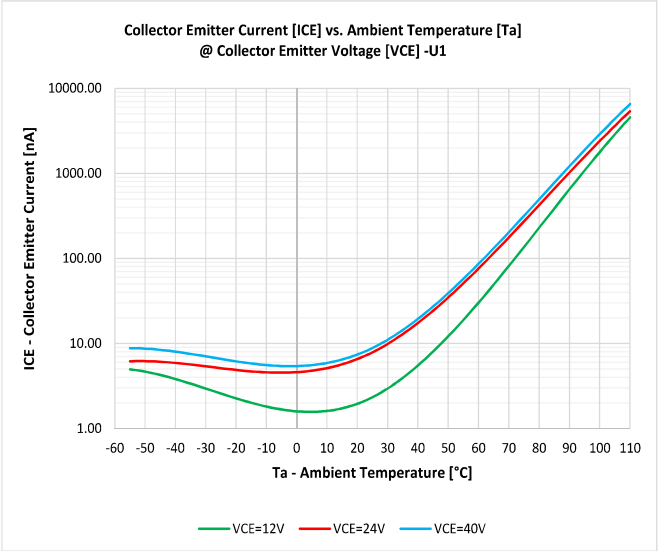
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ICEO vs Tamb

- Pre-PCN



- Post-PCN

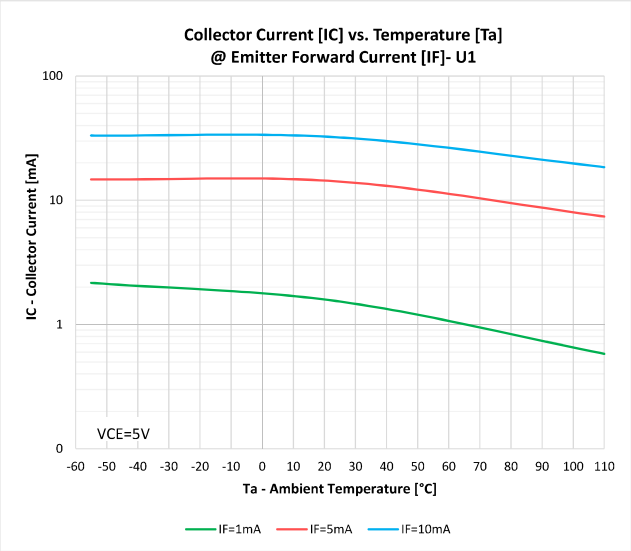


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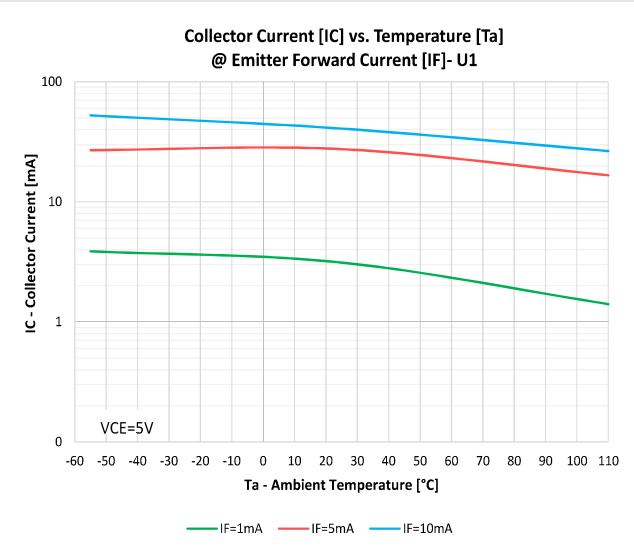
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IC vs Ta @ IF (non-sat.)

- Pre-PCN



- Post-PCN

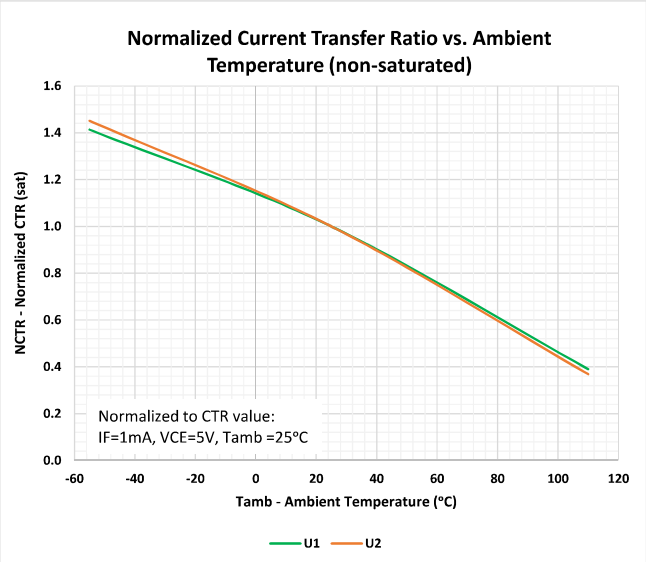


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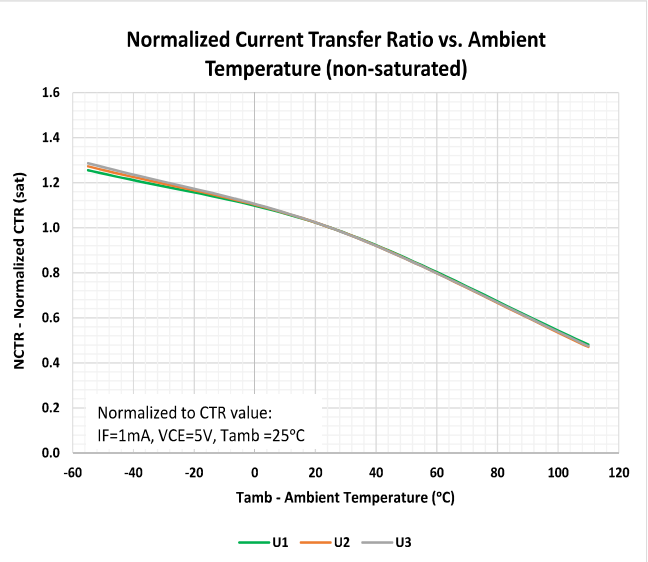
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NCTR vs Tamb (non-sat.)

- Pre-PCN



- Post-PCN

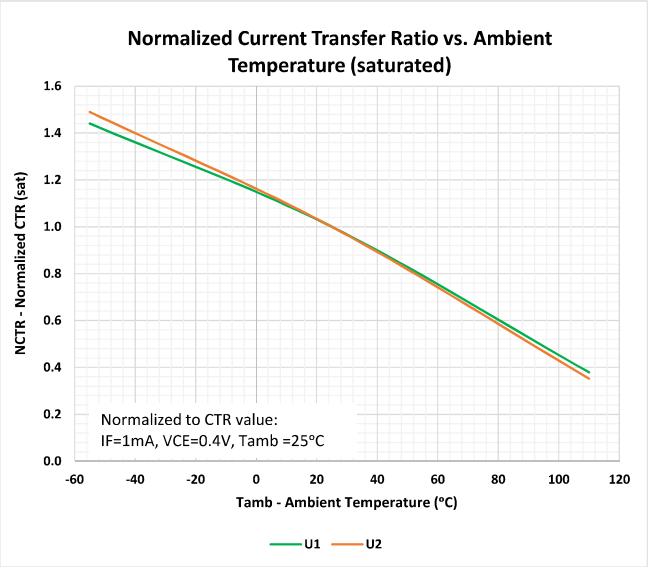


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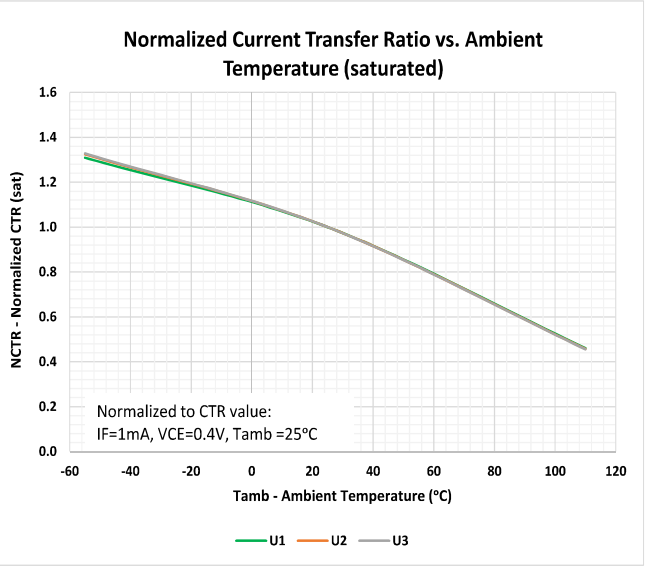
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NCTR vs Tamb (sat.)

- Pre-PCN



- Post-PCN

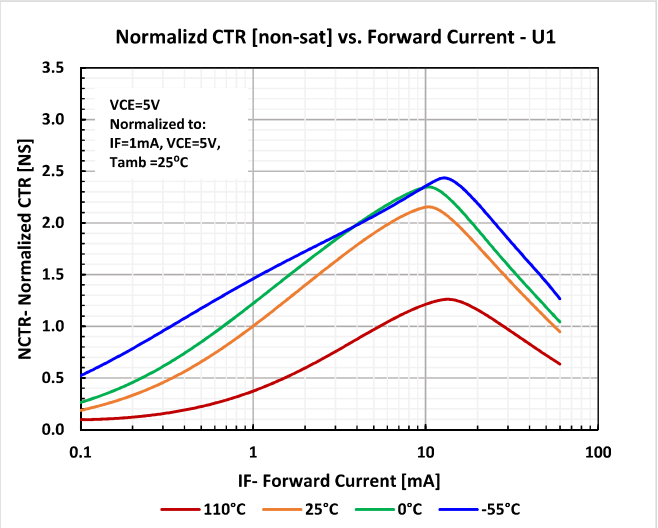


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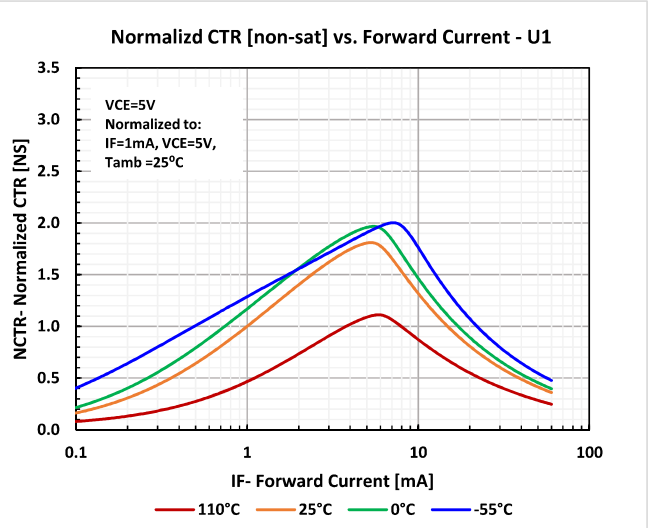
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NCTR vs IF (non-sat.) normalized to IF = 1 mA

- Pre-PCN



- Post-PCN

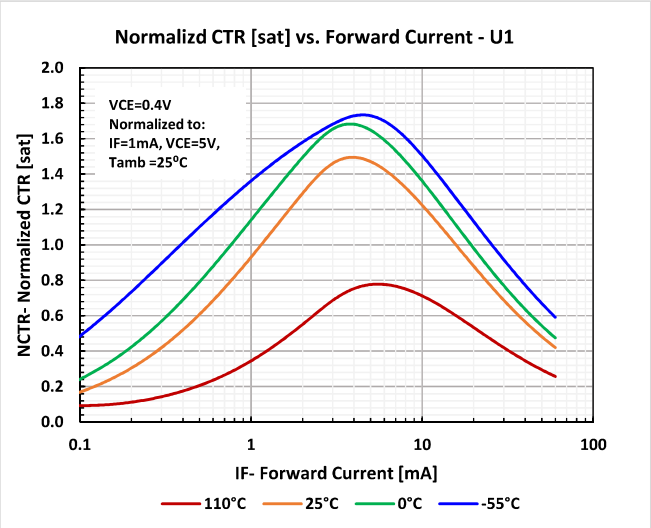


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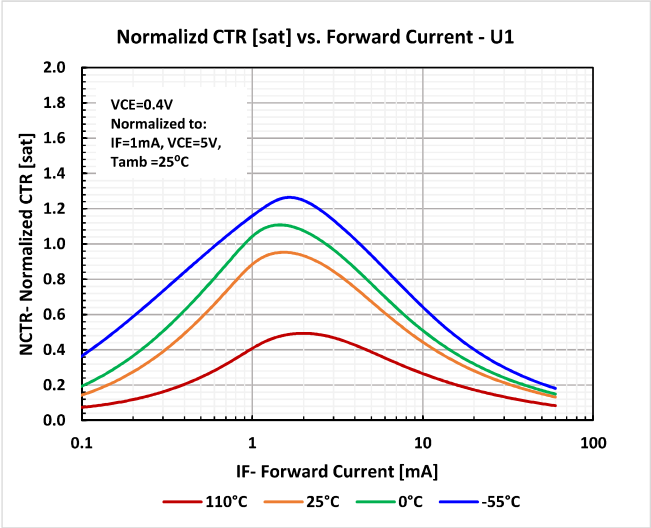
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NCTR vs IF (sat.) normalized to IF = 1 mA

- Pre-PCN



- Post-PCN

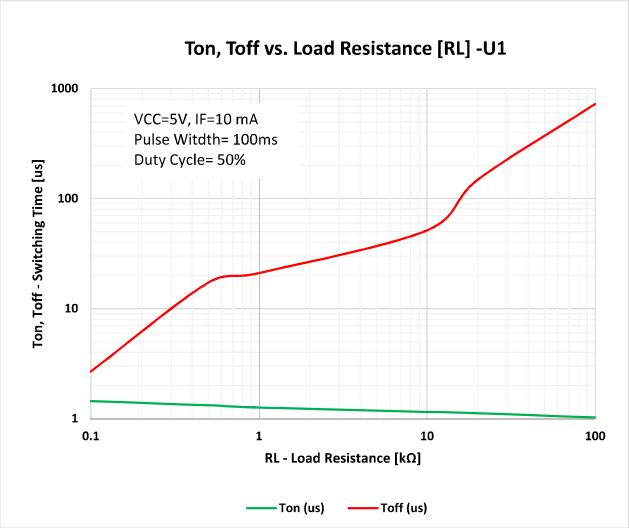


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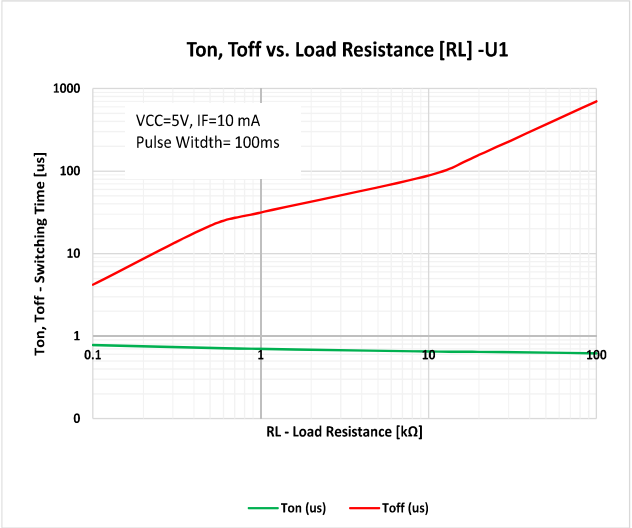
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Ton & Toff vs RL

- Pre-PCN



- Post-PCN

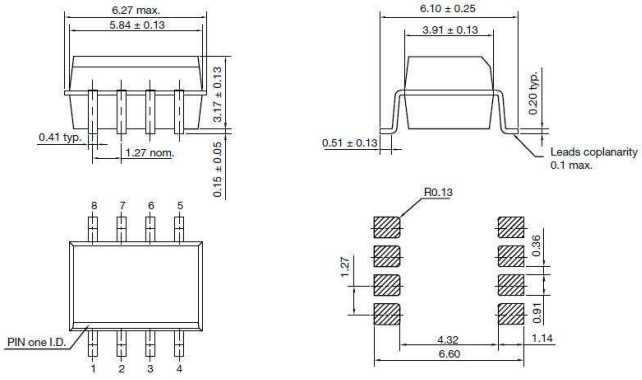


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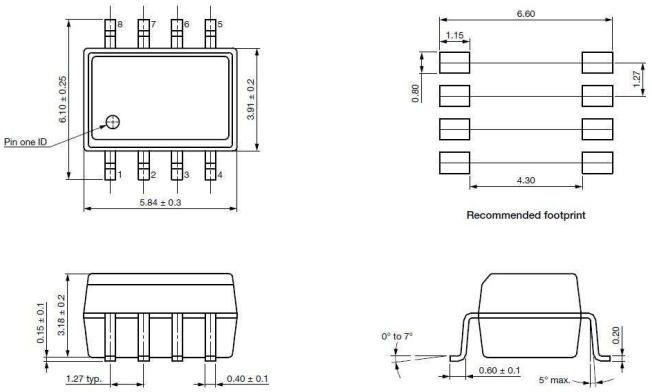
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Package dimensions

- Pre-PCN



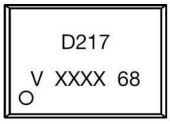
- Post-PCN



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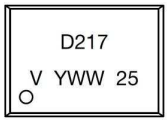
Package marking (example for ILD217T)

- Pre-PCN



XXXX = LMC (lot marking code)
68 – old factory code

- Post-PCN



YWW = date code
25 – new factory code

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