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

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					
ABSOLUTE MAXIMUM RATINGS (Tamb = 25 °C, unless otherwise specified)					
PARAMETER	TEST CONDITION	SYMBOL	VALUE	UNIT	
INPUT					
Reverse voltage		VR	6	V	
Forward current		IF	30	mA	
Peak pulsed current	1 µs, 300 pps		1	A	
Power dissipation		Pdiss	50	mW	
OUTPUT					
Collector emitter breakdown voltage		BVCEO	70	V	
Emitter collector breakdown voltage		BVECO	7	V	
Power dissipation		Pdiss	125	mW	
COUPLER					
Storage temperature		Tstg	-55 to +150	°C	
Operating temperature		Tamb	-55 to +100	°C	
Soldering temperature		Tsld	260	°C	
ELECTRICAL CHARACTERISTICS (Tamb = 25 °C, unless otherwise specified)					
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX. UNIT
INPUT					
Forward voltage	IF = 10 mA	VF		1.2	1.55 V
Reverse current	VR = 6 V	IR		0.1	100 µA
Capacitance	VR = 0 V	CIN		25	pF
OUTPUT					
Collector emitter breakdown voltage	IC = 10 µA	BVCEO	70		V
Emitter collector breakdown voltage	IE = 10 µA	BVECO	7		V
Collector emitter leakage current	VCE = 10 V, IF = 0 mA	ICEO		5	50 nA
Collector emitter capacitance	VCE = 0 V	CCE		10	pF
COUPLER					
Capacitance (input to output)	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
SAFETY AND INSULATION RATINGS					
PARAMETER	TEST CONDITION	SYMBOL	VALUE	UNIT	
Climatic classification	According to IEC 68 part 1		55 / 100 / 21		
Comparative tracking index		CTI	175		
Maximum rated withstanding isolation voltage	t = 1 min	VISO	3333	Vac	
Maximum transient isolation voltage		VIOTM	6000	Vpeak	
Maximum repetitive peak isolation voltage		VIORM	560	Vpeak	
Isolation resistance		RIO	100	GO	
Output safety power		PSO	350	mW	
Input safety current		ISI	150	mA	
Safety temperature		TS	165	°C	
Creepage distance			≥ 4	mm	
Clearance distance			≥ 4	mm	
Insulation thickness		DTI	≥ 0.2	mm	

Post-PCN					
TEST CONDITION					
SYMBOL	VALUE	UNIT			
VR	6	V			
IF	30	mA			
1 µs pulse	1	A			
Pdiss	50	mW			
VCEO	70	V			
Pdiss	125	mW			
Tstg	-55 to +150	°C			
Tamb	-55 to +100	°C			
Tsld	260	°C			
TEST CONDITION					
SYMBOL	MIN.	TYP.	MAX.	UNIT	
IF = 10 mA		1.2	1.55	V	
VR = 6 V		0.1	100	µA	
VR = 0 V, f = 1 kHz		25		pF	
IC = 10 µA	BVCEO	70		V	
IE = 10 µA	BVECO	7		V	
VCE = 10 V, IF = 0 mA	ICEO		5	50 nA	
VCE = 0 V	CCE		10	pF	
VIO = 0 V, f = 1 MHz	CIO		0.5	pF	
IF = 10 mA, ICE = 2.5 mA	VCEsat		0.4	pF	
TEST CONDITION					
SYMBOL	VALUE	UNIT			
According to IEC 68 part 1	55 / 100 / 21				
CTI	175				
t = 1 min	3750	Vac			
VIOTM	6000	Vpeak			
VIORM	565	Vpeak			
RIO	≥ 10 ¹²	Ω			
PSO	125	mW			
ISI	50	mA			
TS	160	°C			
	≥ 3	mm			
	≥ 5	mm			
DTI	≥ 0.4	mm			

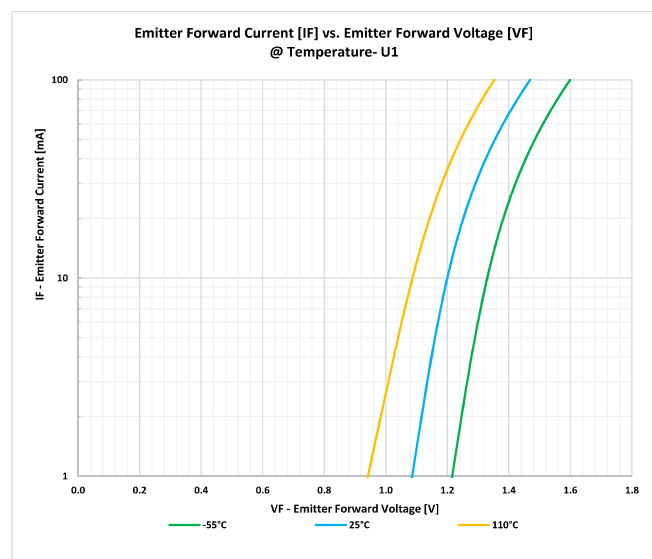
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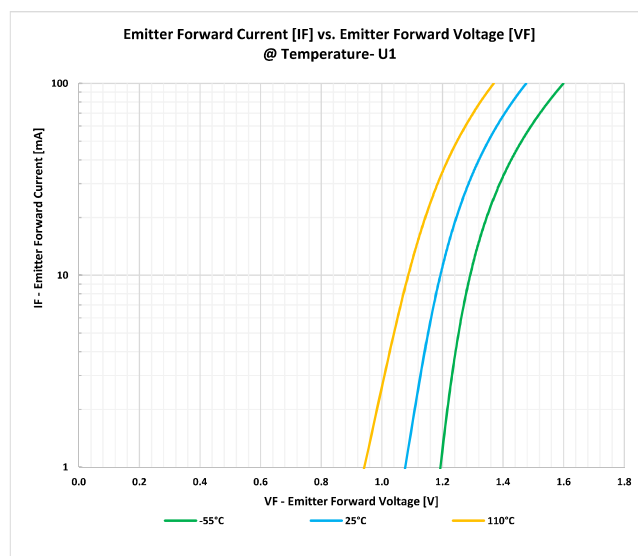
IF vs VF @ Tamb

• Pre-PCN



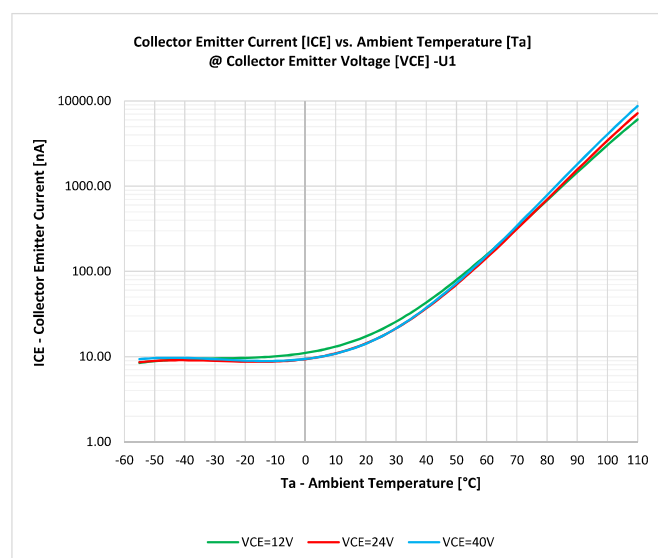
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• Post-PCN



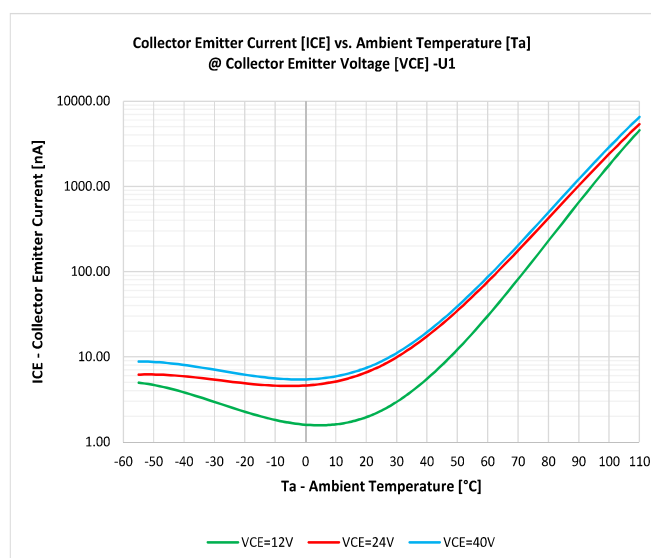
ICEO vs Tamb

• Pre-PCN



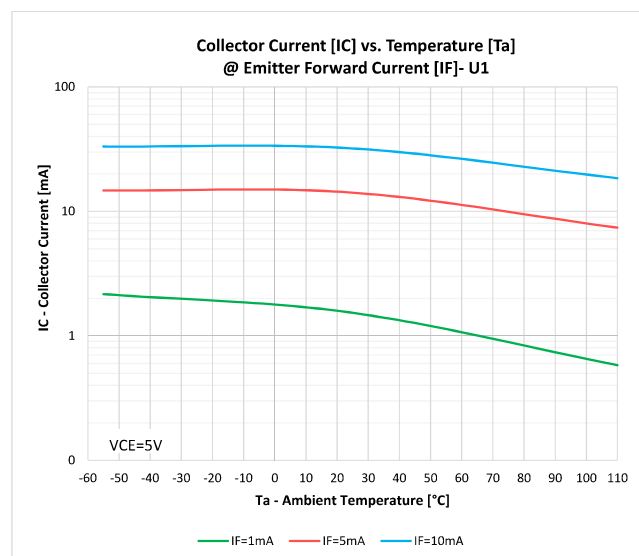
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• Post-PCN



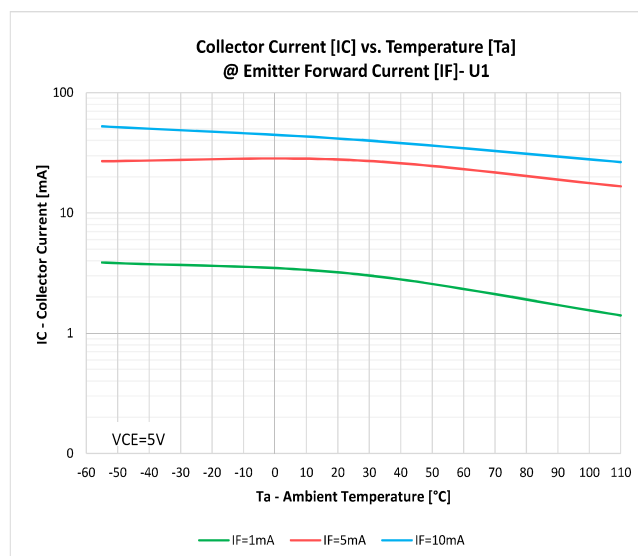
IC vs Ta @ IF (non-sat.)

• Pre-PCN



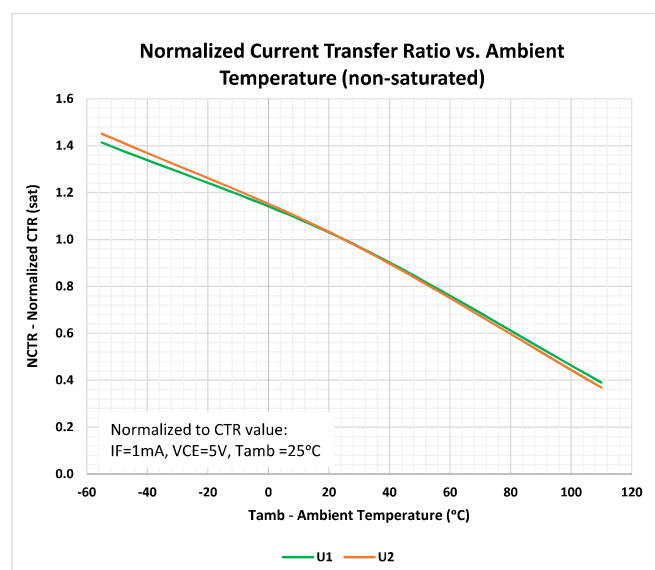
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• Post-PCN



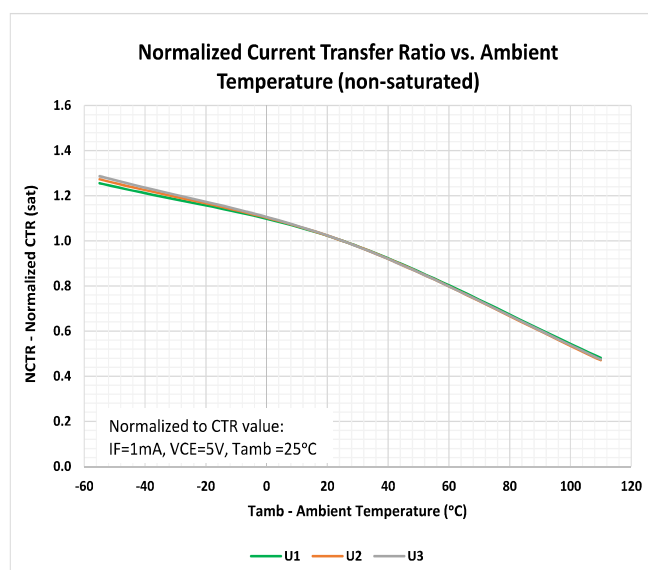
NCTR vs Tamb (non-sat.)

• Pre-PCN



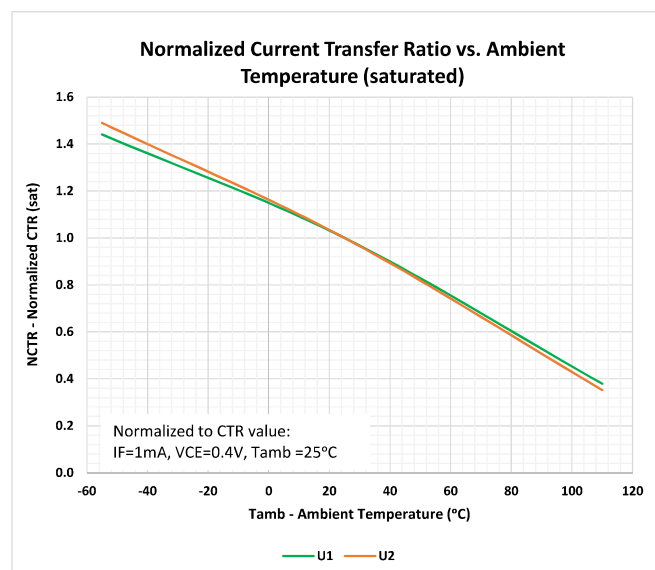
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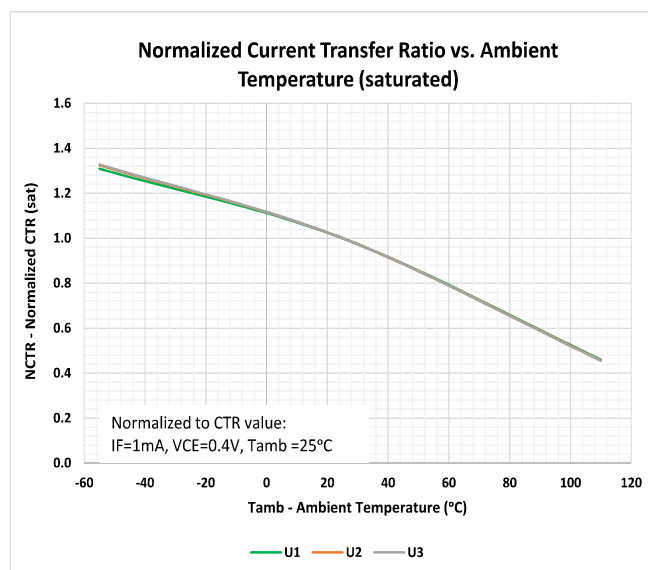
NCTR vs Tamb (sat.)

• Pre-PCN



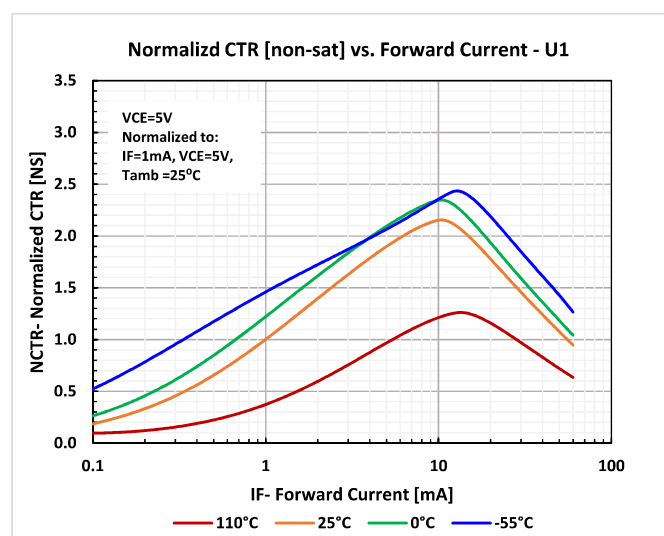
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• Post-PCN



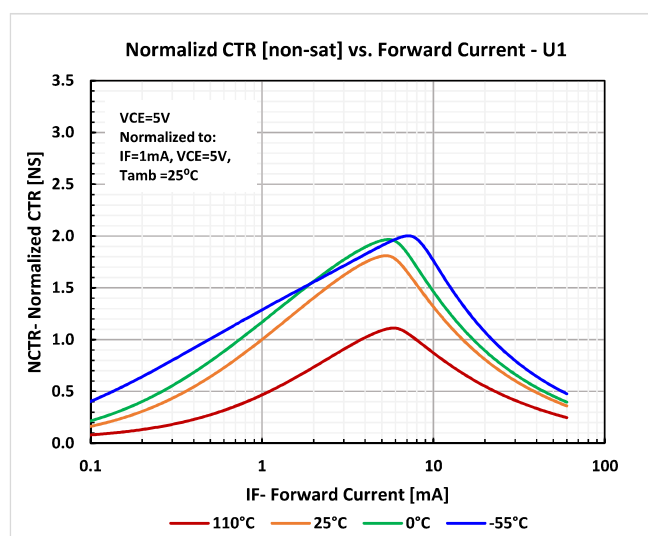
NCTR vs IF (non-sat.) normalized to IF = 1 mA

• Pre-PCN



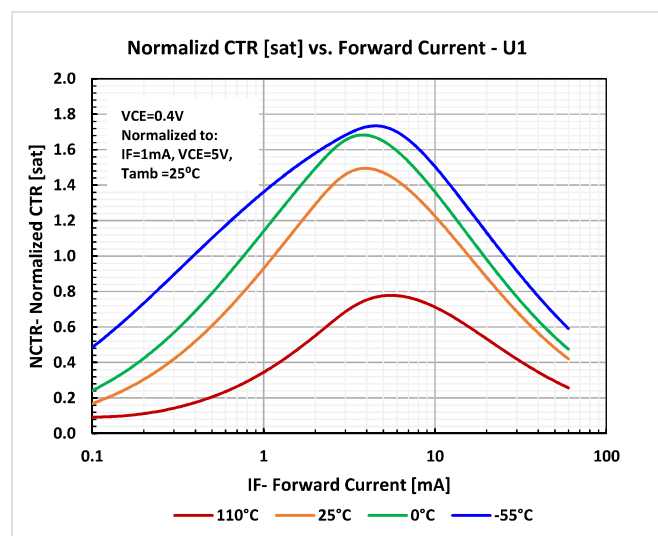
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• Post-PCN

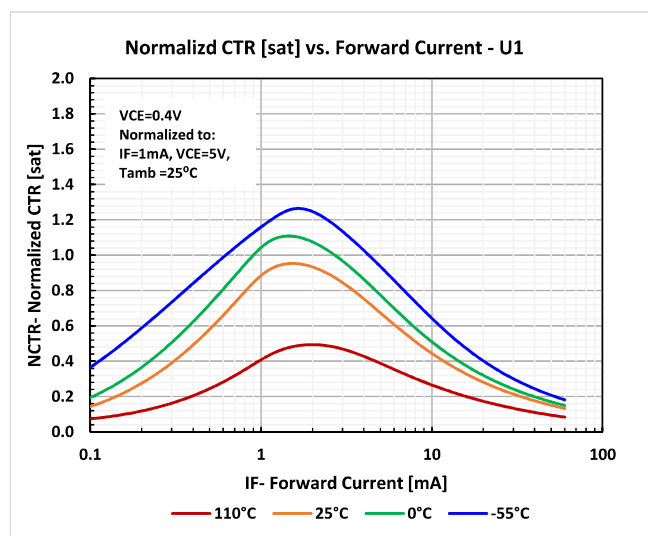


NCTR vs IF (sat.) normalized to IF = 1 mA

• Pre-PCN



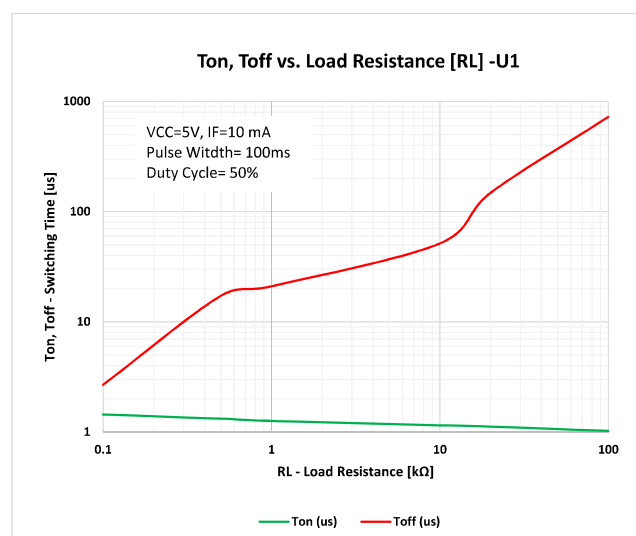
• Post-PCN



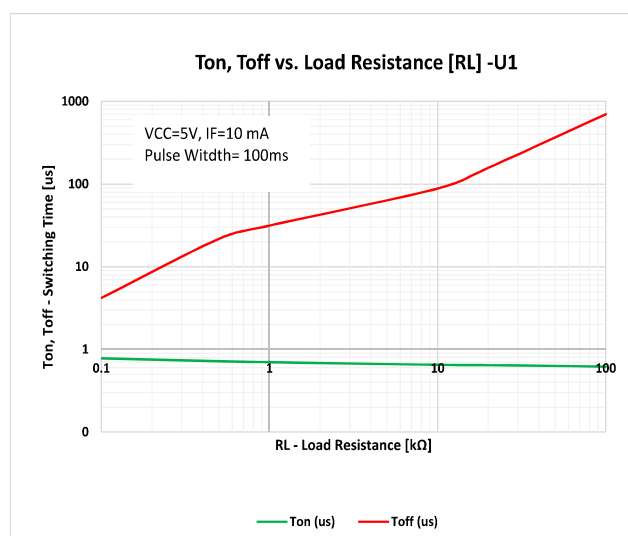
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Ton & Toff vs RL

• Pre-PCN



• Post-PCN



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