

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

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Intertechnologies, Inc.
2585 Junction Avenue
-
San Jose California United States 95134
Phone: +1-408-567-8358
Fax: -
jim.toal@vishay.com

Europe

VISHAY Semiconductor GmbH
Theresienstrasse 2
-
Heilbronn Germany 74072
Phone: +49-7131-7498-516
Fax: -
boris.lazic@vishay.com

Asia

VISHAY Intertechnology Asia Pte. Ltd.
37A Tampines Street 92
#07-00
Singapore Singapore 528886
Phone: +65 6780 7879
Fax: -
jason.soon@vishay.com

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



The DNA of tech.™

Product Change Notification



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		



The DNA of tech.™

PCN-OPT-1507-2024-REV-0

Comparison report based on ILD217T

August 2026

© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

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	GΩ	
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					
ABSOLUTE MAXIMUM RATINGS (Tamb = 25 °C, unless otherwise specified)					
TEST CONDITION	SYMBOL	VALUE	UNIT		
INPUT					
Reverse voltage	VR	6	V		
Forward current	IF	30	mA		
Peak pulsed current	1 µs pulse	1	A		
Power dissipation	Pdiss	50	mW		
OUTPUT					
Collector emitter breakdown voltage	VCEO	70	V		
Emitter collector breakdown voltage		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)					
TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
INPUT					
IF = 10 mA	VF		1.2	1.55	V
VR = 6 V	IR		0.1	100	µA
VR = 0 V, f = 1 kHz	CIN		25		pF
OUTPUT					
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
COUPLER					
VIO = 0 V, f = 1 MHz	CIO		0.5		pF
IF = 10 mA, ICE = 2.5 mA	VCEsat			0.4	pF
SAFETY AND INSULATION RATINGS					
TEST CONDITION	SYMBOL	VALUE	UNIT		
According to IEC 68 part 1					
	CTI	175			
t = 1 min	VISO	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		

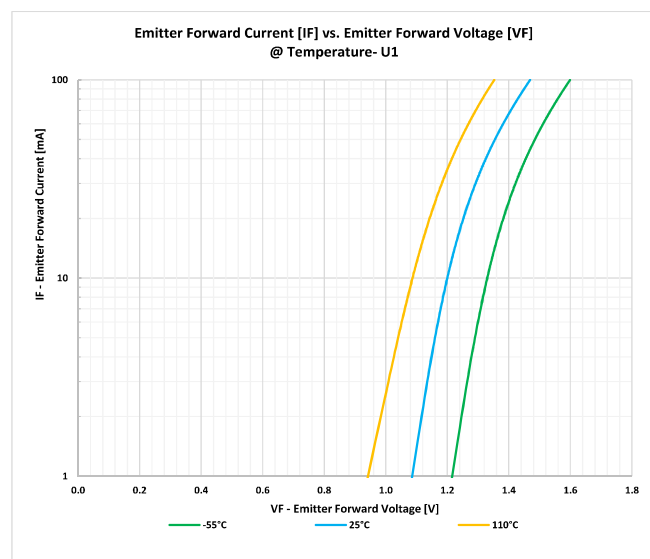
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.



The DNA of tech.™

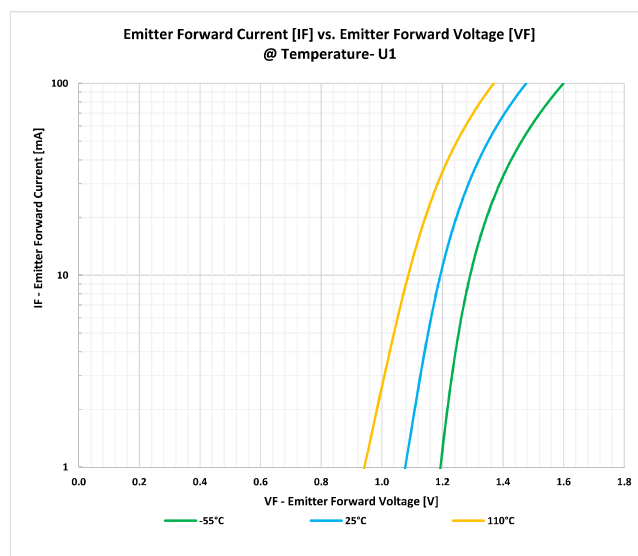
IF vs VF @ Tamb

• Pre-PCN



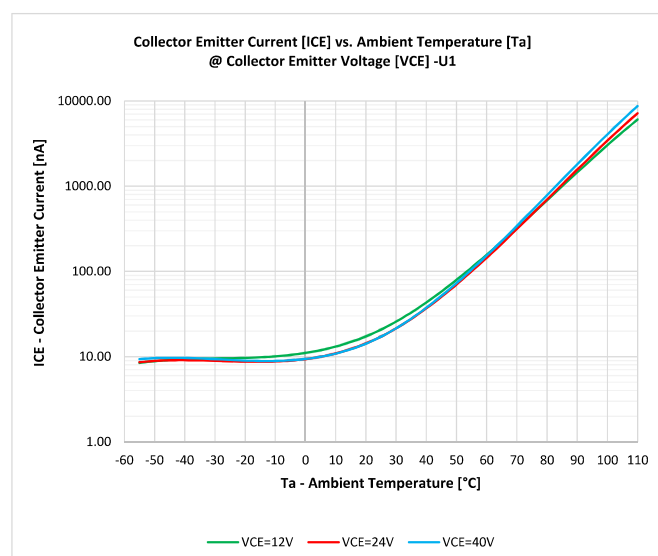
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

• Post-PCN



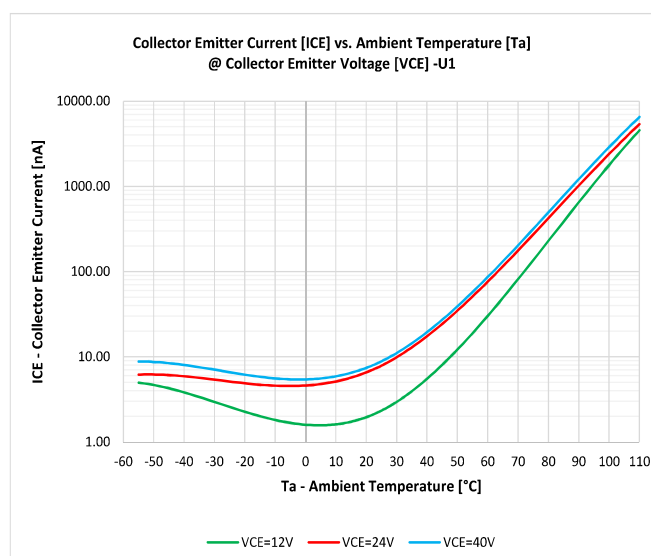
ICEO vs Tamb

• Pre-PCN



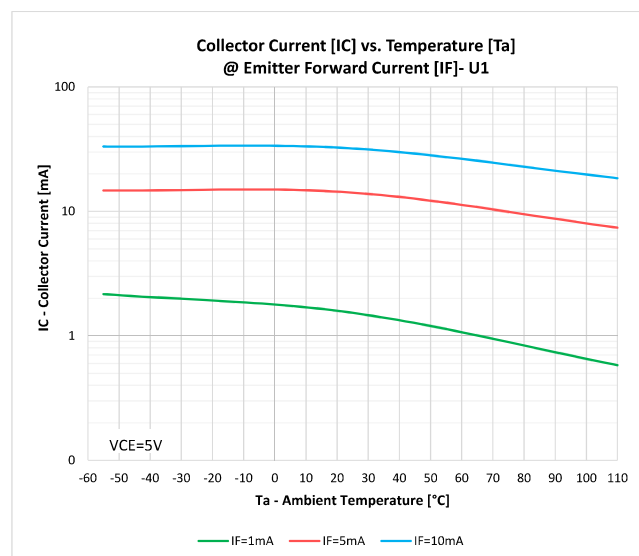
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

• Post-PCN



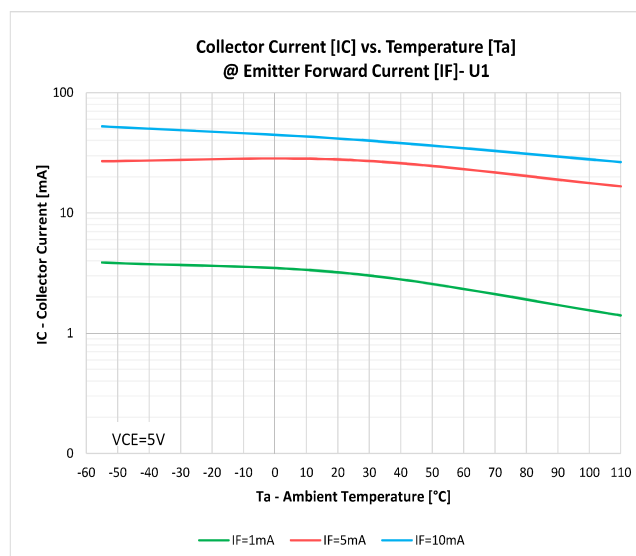
IC vs Ta @ IF (non-sat.)

• Pre-PCN



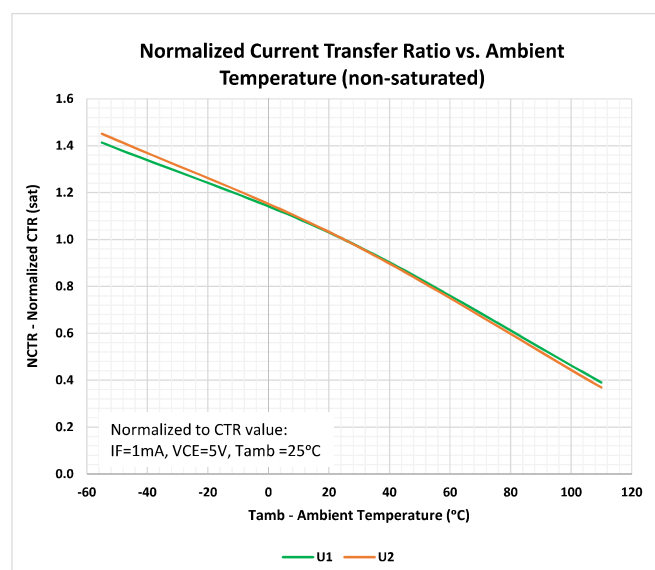
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

• Post-PCN



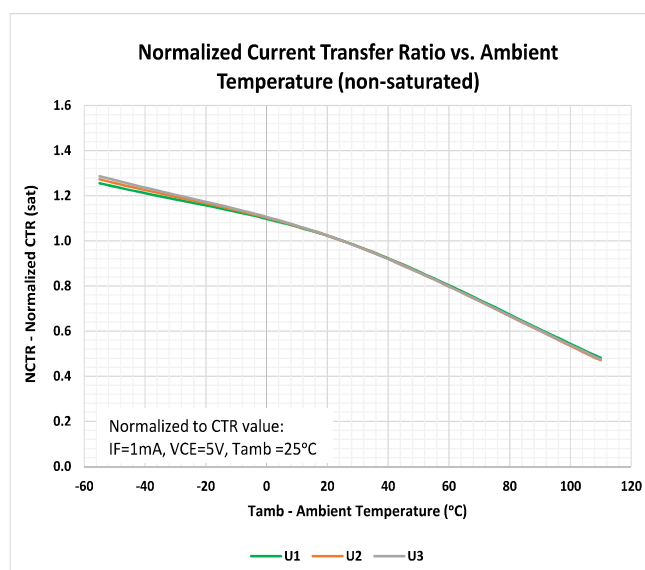
NCTR vs Tamb (non-sat.)

• Pre-PCN



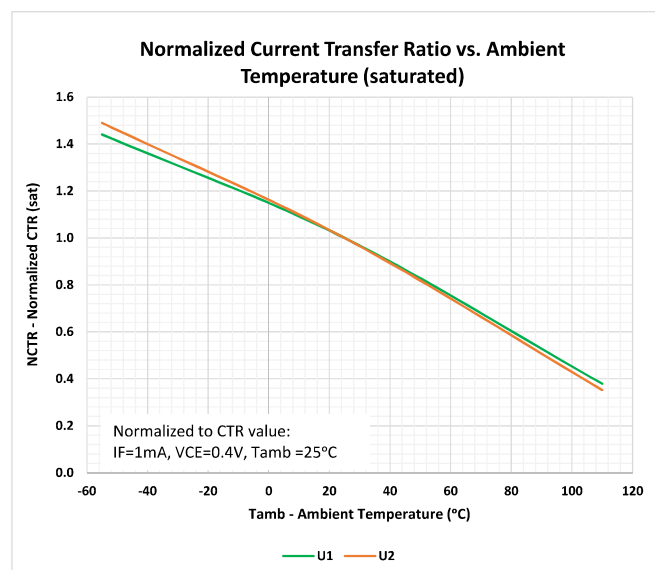
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

• Post-PCN

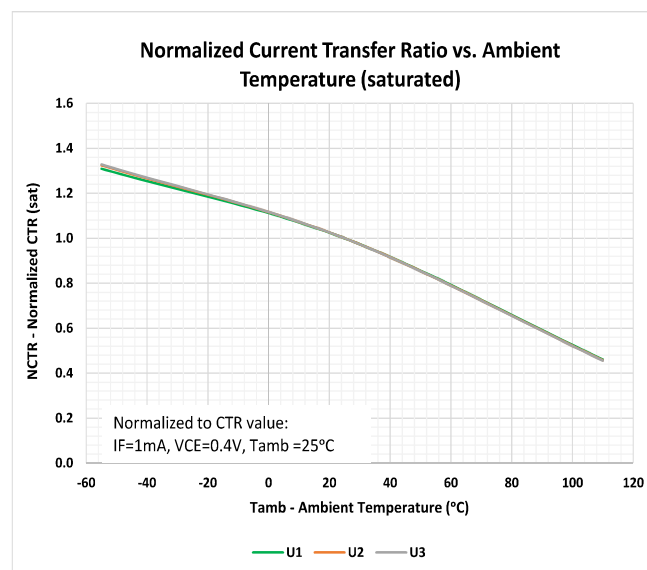


NCTR vs Tamb (sat.)

• Pre-PCN



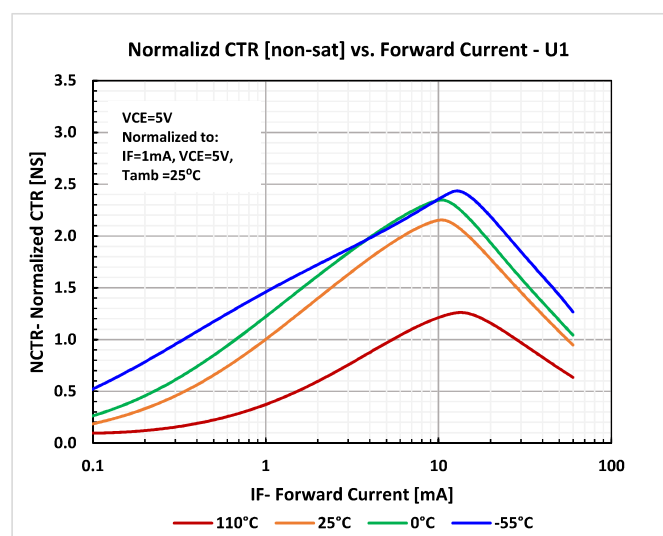
• Post-PCN



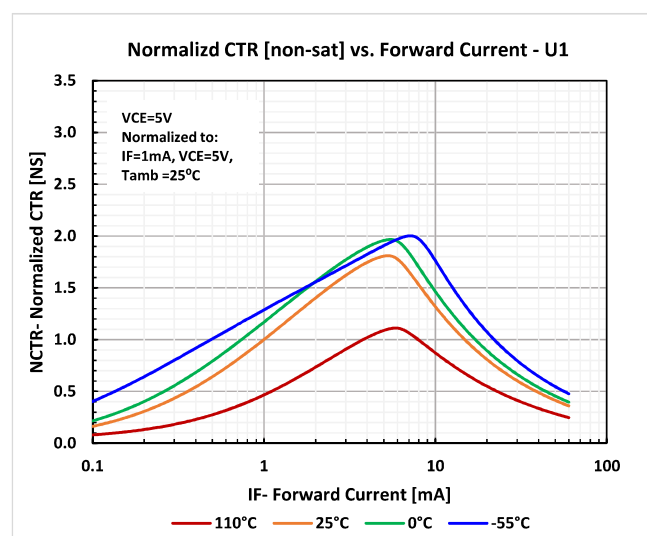
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

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

• Pre-PCN



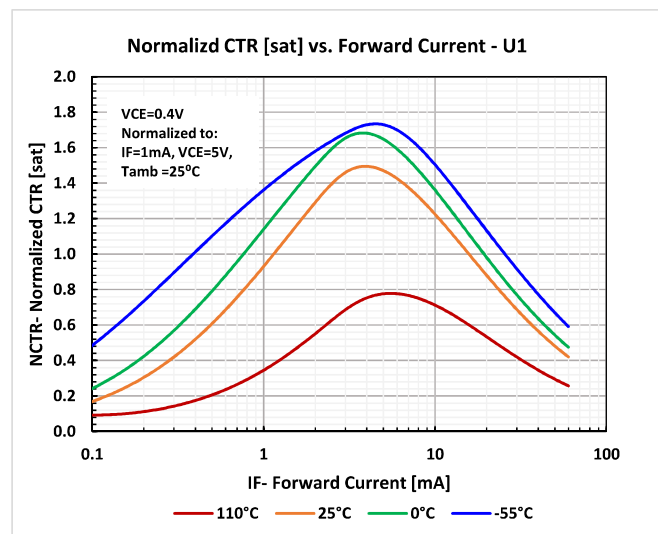
• Post-PCN



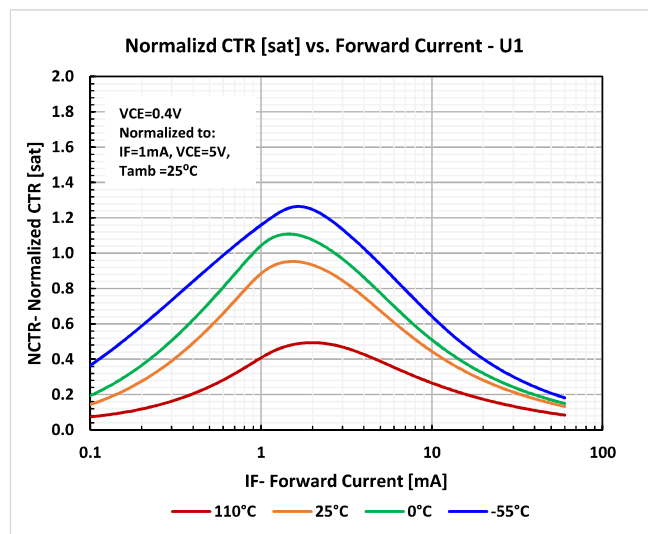
© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

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

• Pre-PCN

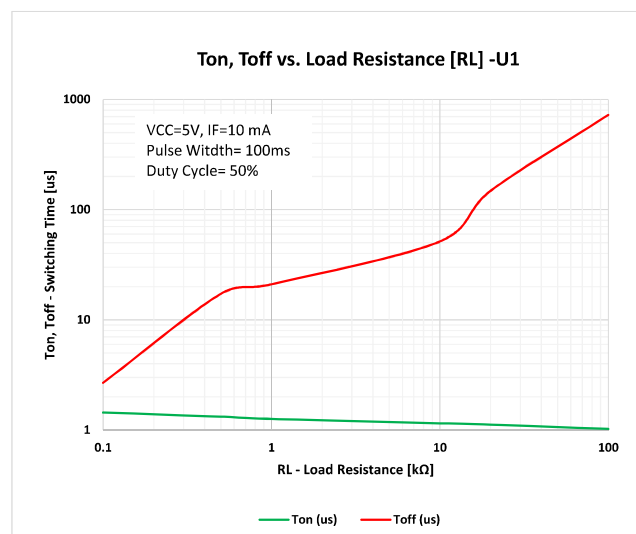


• Post-PCN

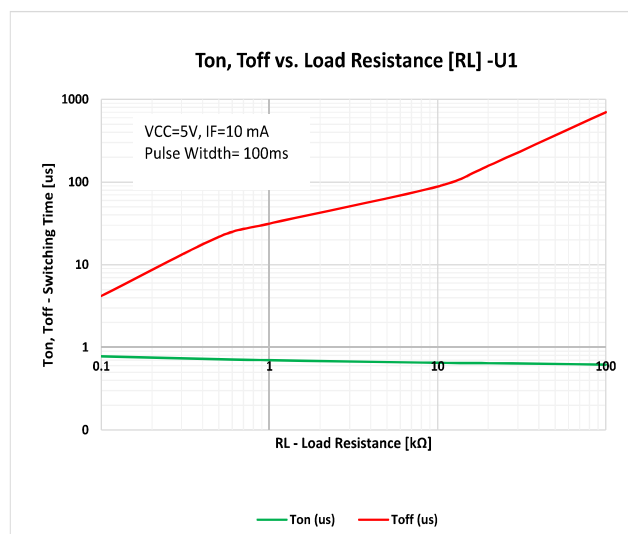


Ton & Toff vs RL

• Pre-PCN

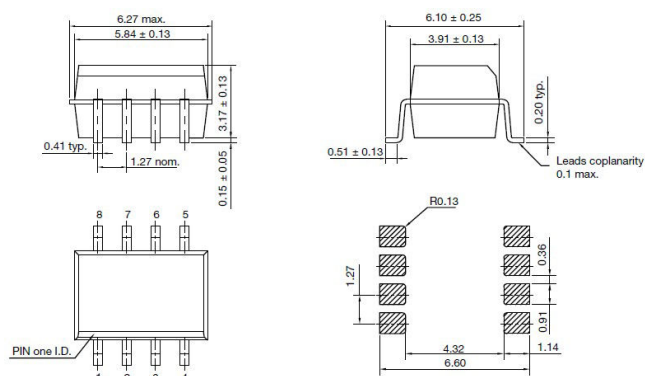


• Post-PCN

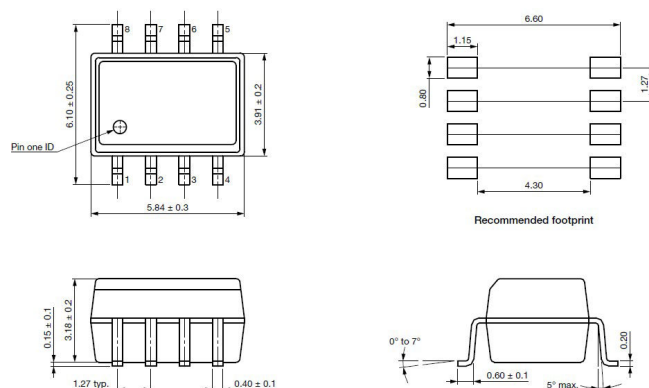


Package dimensions

• Pre-PCN



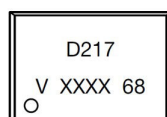
• Post-PCN



© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

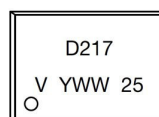
Package marking (example for ILD217T)

• Pre-PCN



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

• Post-PCN



YWW = date code
25 – new factory code

© VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

THANK YOU

Vishay Mat Customer Location

ILD205T		Singapore
VOD207T	102389-01	Singapore
ILD206T	ILD206T	Singapore
ILD207T	ILD207T	Singapore
ILD207T	ILD207T	Singapore
ILD207T	ILD207T-Df	Singapore
ILD213T	ILD213T	Singapore
ILD217T	ILD217T	Singapore
ILD217T	ILD217T	Shanghai
ILD217T	ILD217T	Singapore
VOD205T	VOD205T	Singapore
VOD205T	VOD205T	Singapore
VOD205T	VOD205T	Singapore
ILD1207T	VOPILD120	Maisach Gernlinden
ILD1207T	VOPILD120	Ft Worth
ILD205T	VOPILD205	Maisach Gernlinden
ILD206T	VOPILD206	Maisach Gernlinden
ILD206T	VOPILD206	Ft Worth
ILD207T	VOPILD207	Maisach Gernlinden
ILD211T	VOPILD211	Ft Worth
ILD213T	VOPILD213	Maisach Gernlinden
ILD213T	VOPILD213	Ft Worth
ILD217T	VOPILD217	Maisach Gernlinden
ILD217T	VOPILD217	Ft Worth
VOD207T	VOPVOD20	Maisach Gernlinden
VOD213T	VOPVOD21	Maisach Gernlinden
VOD217T	VOPVOD21	Maisach Gernlinden
ILD207T	VSNILD207	Ft Worth
ILD207T	VSNILD207	Maisach Gernlinden