



ISOCOUPLER® WPPCT-N1566, -N1066, -N566 Series

Optoisolators Triac Driver Output
(600V Peak), DIP, SMD, H

USR/CNR Listed (File# E223387)
VDE (File# 40009586)

Features

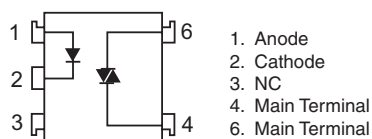
1. Compact dual-in-line package.
2. 600V peak blocking voltage.
3. Isolation voltage between input and output (Viso: 5000Vrms).

For 115/240 VRMS Application:

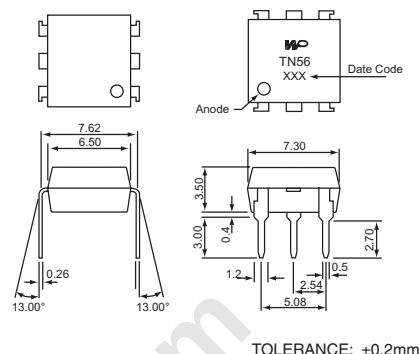
1. Solenoid/Valve Controls.
2. Lighting Controls.
3. Static Power Switches.
4. AC Motor Drives.
5. Temperature Controls.
6. E.M. Contactors.
7. AC Motor Starters.
8. Solid State Relays.
9. Programmable Controllers.
10. Available package types: DIP(shown), SMD, H (Page 147).

Part Numbering System: Page 2. Part Marking System: Page 3.

Schematic: Top View



Outside Dimension: Unit (mm)



Trigger LED Current

Example Part Number

WPPCT - N 15 6 6 D TRU

Options	Trigger Current(mA)
15	15 max.
10	10 max.
5	5 max.

Absolute Maximum Ratings

(Ta = 25°C)

Parameter	Symbol	Rating	Unit
Input	Forward Current	IF	50
	Peak Forward Current	IFM	1
	Reverse Voltage	VR	6
	Power Dissipation	PD	70
Output	Off-State Output Terminal Voltage	VDRM	600
	On-State R.M.S. Current	IT(RMS)	100
	Peak Repetitive Surge Current (PW=10ms, DC 10%)	ITSM	1
	Power Dissipation	PD	300
	Total Power Dissipation	Ptot	330
	Isolation Voltage 1 minute	Viso	5000
	Operating Temperature	Topr	-40 to +80
	Storage Temperature	Tstg	-50 to +125
	Solder Temperature 10 seconds	Tsol	260

Electro-optical Characteristics

(Ta = 25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Input	Forward Voltage	VF	IF = 10mA	-	1.2	1.4
	Peak Forward Voltage	VFM	IFM = 0.5A	-	-	3.5
	Reverse Current	IR	VR = 4V	-	-	10
Output	Peak Blocking Current	IDRM	VDRM = 600V	-	-	100
	On-State Voltage	VTM	ITM = 100mA	-	1.6	2.8
Transfer Characteristics	Holding Current	IH	-	0.1	-	mA
	Critical Rate of Rise of Off-State Voltage	dV/dt	VDRM = (1/√2) * Rated	600	1000	-
	Isolation Resistance	Riso	DC500V	5 x 10 ¹⁰	10 ¹¹	-
	Trigger LED Current (Standard, see above table for more options)	IFT	Main Terminal Voltage = 3V	-	-	15
	Turn-On Time	TON	VD = 6V, RL = 100Ω, IF = 20mA	-	-	100



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Data Curves

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