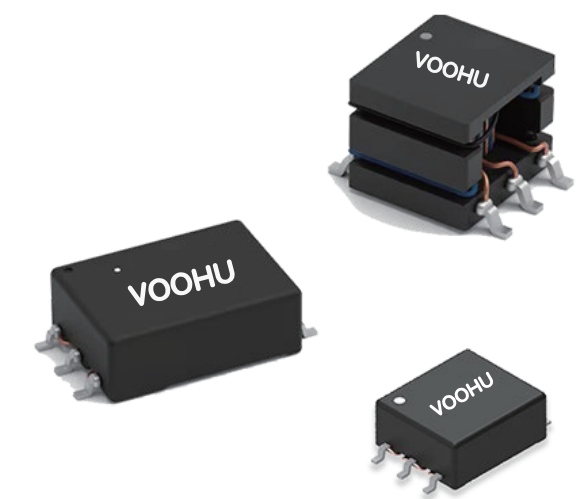


POWER PRODUCT

PUSH-PULL/GATE DRIVE TRANSFORMER

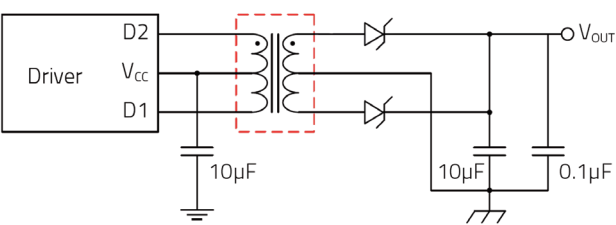


- Features And Benefits:**
- Small Size and Low Profile
 - Surface Mount
 - Functional or Reinforced Insulation
 - High Isolation Up to 6kV
Creepage Distance Up to 15mm
 - Operating Temp: -40°C to 125°C

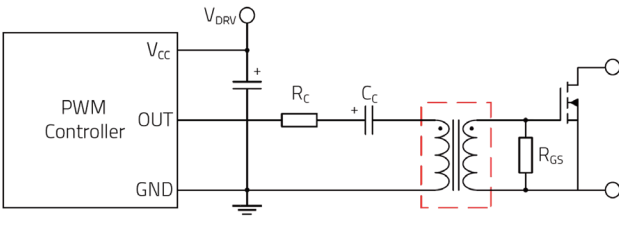
- Applications:**
- Isolated Interface PS For CAN
 - Industrial Automation
 - PLC Analog & Digital I/O Module
 - AC Motor Drive & UPS
 - Isolated Gate Driver Power Supplies

推挽门驱动变压器的一个重要参数是时间和电压的乘积，直到磁芯饱和。计算电感L和饱和电流Isat的电压-时间积V-T(单位:伏秒)。在选择变压器时，应根据应用程序的频率和脉冲带宽，确保有足够的伏秒可用。

An Important Parameter Of The Push Pull And Gate Drive Transformer Is The Product Of Time And Voltage, Until The Core Saturates. The Voltage-time Product V-T (Unit:Volt-Second) Is Calculated Of The Inductance L And The Saturation Current Isat. When Selecting A Transformer, You Should Ensure, That Enough Volt-seconds Are Available, Depending On The Frequency And Pulse Bandwidth Of The Application.



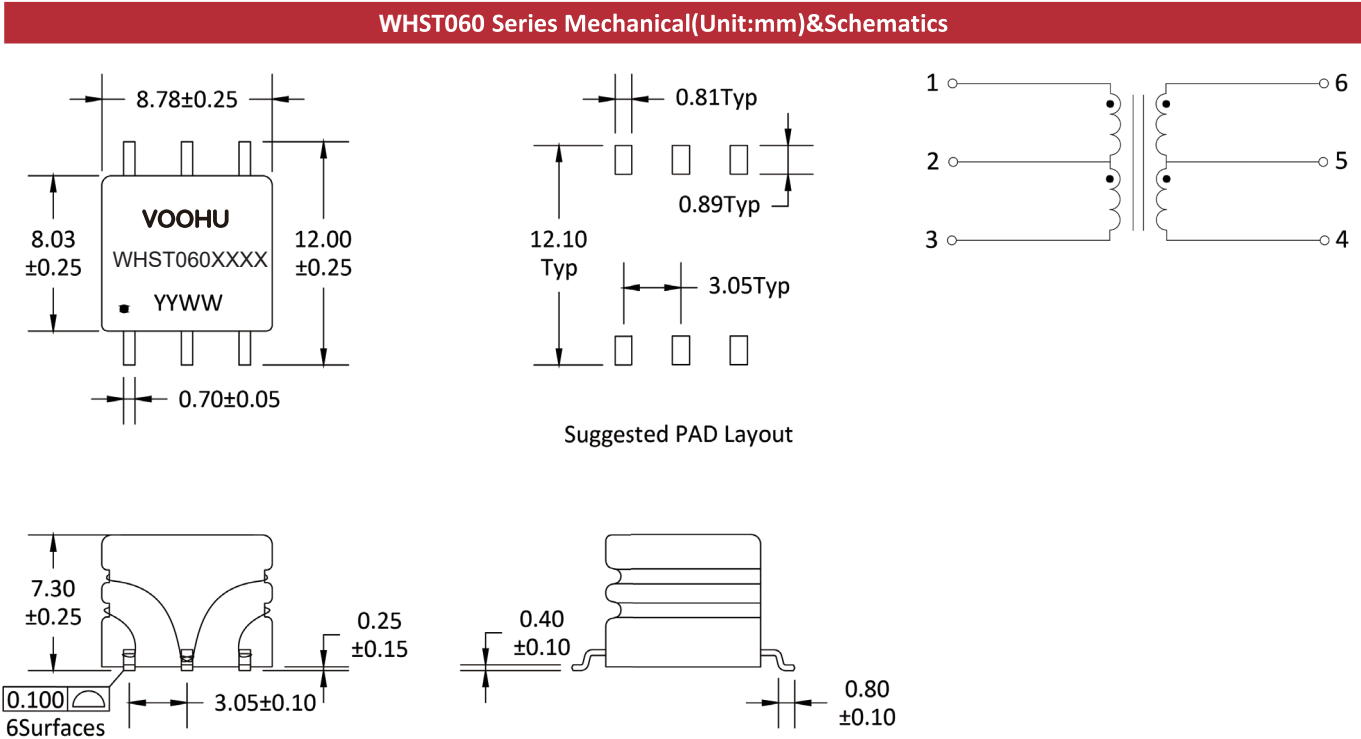
Simplified Gate Drive Transformer Circuit



Simplified Push Pull Application

Part number	Inductance (μH)Min		LK (μH)Max		DCR1 (mΩ)Max		DCR2 (mΩ)Max		Turns Ratio	Insulation (VAC)
	Test	Value	Test	Value	Test	Value	Test	Value	Pri-Sec	Pri-Sec
WHST06001G0	1-3	538	1-3	0.8	1-3	750	6-4	750	1:1	4000
WHST06002G0	1-3	538	1-3	0.6	1-3	750	6-4	1300	1:2	4000
WHST06003G0	1-3	538	1-3	1.6	1-3	1300	6-4	750	2:1	4000
WHST06032G0	1-3	680	1-3	0.6	1-3	750	6-4	900	3:4	4000
WHST06005G0	1-3	680	1-3	0.7	1-3	750	6-4	1200	3:5	4000
WHST06006G0	1-3	538	1-3	0.7	1-3	750	6-4	1500	3:8	4000
WHST06007G0	1-3	538	1-3	0.8	1-3	900	6-4	750	4:3	4000
WHST06008G0	1-3	538	1-3	2.0	1-3	1500	6-4	700	8:3	4000
WHST06021G0	1-3	538	1-3	0.6	1-3	750	6-4	1000	8:9	4000
WHST06010G0	1-3	538	1-3	0.6	1-3	750	6-4	1200	1:1.7	4000

All Information Is Reference Only. See Datasheet For Specific Information.

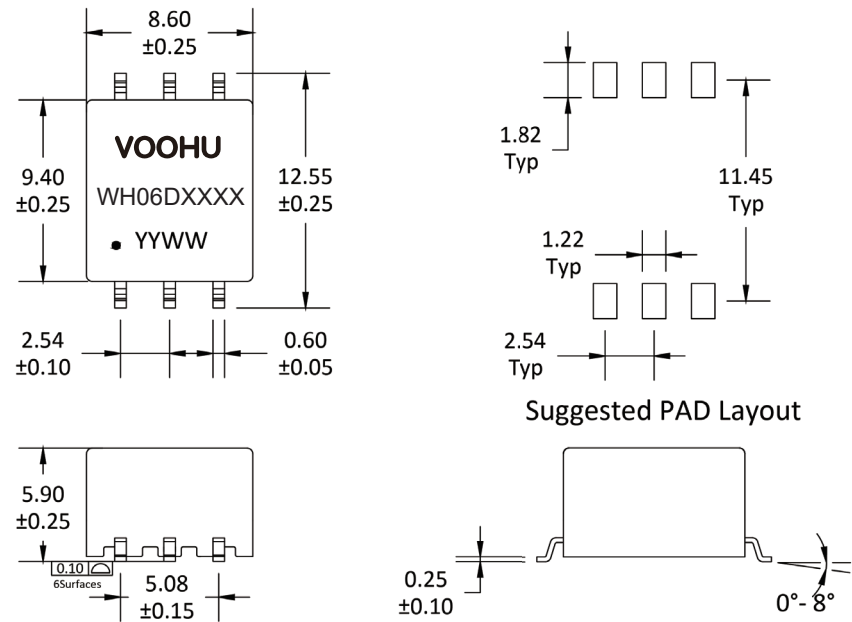


WHST06D Series

Part number	Inductance (μH)Min		LK (μH)Max		DCR1 (mΩ)Max		DCR2 (mΩ)Max		Turns Ratio	Insulation (VAC)
	Test	Value	Test	Value	Test	Value	Test	Value	Pri-Sec	Pri-Sec
WHST06D01A0	1-3	200	1-3	TBD	1-3	237	6-4	882	1:1:3.4	3000
WHST06D02A0	1-3	100	1-3	TBD	1-3	250	6-4	220	1.2:1	2500
WHST06D03A0	1-3	538	1-3	0.7	1-3	400	6-4	900	3:8	4000
WHST06D04A0	1-3	680	1-3	0.6	1-3	350	6-4	520	3:4	4000

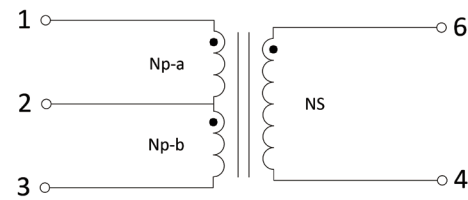
All Information Is Reference Only. See Datasheet For Specific Information.

WHST06D Series Mechanical(Unit:mm)

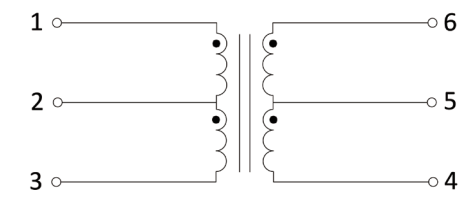


WHST06D Series Schematics

WHST06D01A0



WHST06D02A0/WHST06D03A0/WHST06D03A0

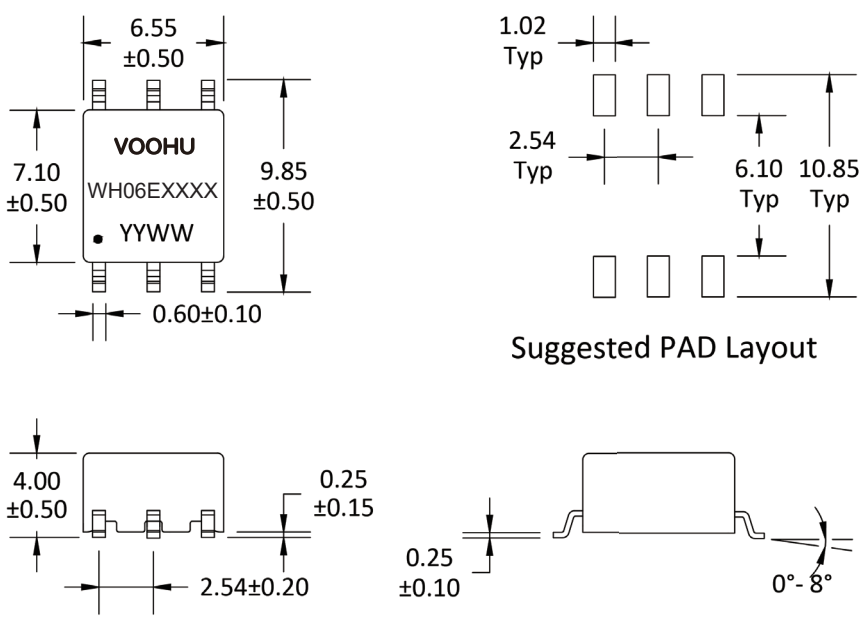


WHST06E Series

Part number	Inductance (μH)Min		LK (μH)Max		DCR1 (mΩ)Max		DCR2 (mΩ)Max		Turns Ratio	Insulation (VAC)
	Test	Value	Test	Value	Test	Value	Test	Value	Pri-Sec	Pri-Sec
WHST06E12A0	1-3	475	1-3	TBD	1-3	1000	6-4	1000	1:1.3	3100
WHST06E14A0	1-3	475	1-3	TBD	1-3	1000	6-4	1000	1:1.1	3100
WHST06E16A0	1-3	475	1-3	TBD	1-3	1000	6-4	1000	1:1.7	3100
WHST06E17A0	1-3	475	1-3	TBD	1-3	1000	6-4	1000	1:2	3100
WHST06E18A0	1-3	475	1-3	TBD	1-3	1000	6-4	1000	1:1.5	3100

All Information Is Reference Only. See Datasheet For Specific Information.

WHST06E Series Mechanical(Unit:mm)



WHST06E Series Schematics

