

	Input Power Dissipation	P_D	100	mW
Output	Supply Voltage	V_{CC}	7	V
	Output Voltage	V_O	$V_{CC}+0.5$	V
	Output Current	I_O	10	mA
	Output Power Dissipation	P_O	22	mW
Total Power Dissipation		P_{tot}	130	mW
Isolation Voltage		V_{iso}	3750	Vrms
Operating Temperature		T_{opr}	-40~110	
Junction Temperature		T_j	125	
Storage Temperature		T_{stg}	-55~125	
Soldering Temperature		T_{sol}	260	

: 100 μ s pulse, 100Hz frequency

: AC for 1minute, R.H.=40~60%

(Temperature=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Input	Forward Voltage	V_F	$I_F=10mA$	-	1.35	1.6	V
	Input Reverse Breakdown Voltage	BV_R	$I_R=10\mu A$	5	-	-	V
	Reverse Current	I_R	$V_R=6V$	-	-	1	μA
	Input Capacitance	C					
Output	$V_F=0, f=1MHz$ Supply Current	I_{CCH}	$V_{CC}=5V, I_F=0mA$	-	-	6.5	mA
	Low Level Supply Current	I_{CCL}	$V_{CC}=5V, I_F=10mA$	-	-	6.5	mA
	Logic HOutput Voltage	V_{OH}	$I_F=0mA, I_O=-20\mu A$	$V_{DD-0.1}$	V_{DD}	-	V
	Logic Low Output Voltage	V_{OL}	$I_F=7mA, I_O=20\mu A, V_{CC}=5V$	-	0.02	0.1	V
	Isolation Resistance	R_{iso}	DC500V 40~60%R.H	10^{12}	-	-	Ω
	Floating Capacitance	C_{IO}		-	0.6	-	pF
Switching Characteristics	Trigger LED Current	I_{FT}	$V_{CC}=5V$	-	-	5	mA

	Propagation Delay Time to Logic Low	TPHL	$I_F=7mA, C_L=15pF$	-	70	100	ns
	Propagation Delay Time to Logic High	TPLH	$I_F=7mA, C_L=15pF$	-	55	100	ns
	Common Mode Transient Immunity at Logic High	CM _H	$I_F=0mA,$ $V_{CM}=1000V_{pp},$ $C_L=15pF,$ $V_{CC}=5V$	20	-	-	kV/ μs
	Common Mode Transient Immunity at Logic Low	CM _L	$I_F=7mA,$ $V_{CM}=1000V_{pp},$ $C_L=15pF,$ $V_{DD}=5V$	20	-	-	kV/ μs

Characteristics	Symbol	Min.	Typ.	Max.	Unit
Operating Temperature	T _a	-40	-	105	
Supply Voltage	V _{CC}	2.7	-	5.5	V
Low Level Input Current	I _{FL}	0	-	250	μA
High Level Input Current	I _{FH}	8	-	16	mA
Forward Voltage	V _{F(OFF)}	-	-	0.8	V

JOCHC15B

JOCHC15B

FIG.7: Propagation Delay vs. Ambient Temperature

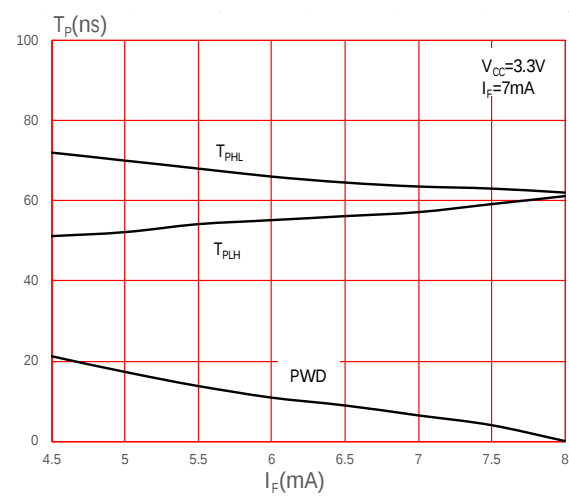
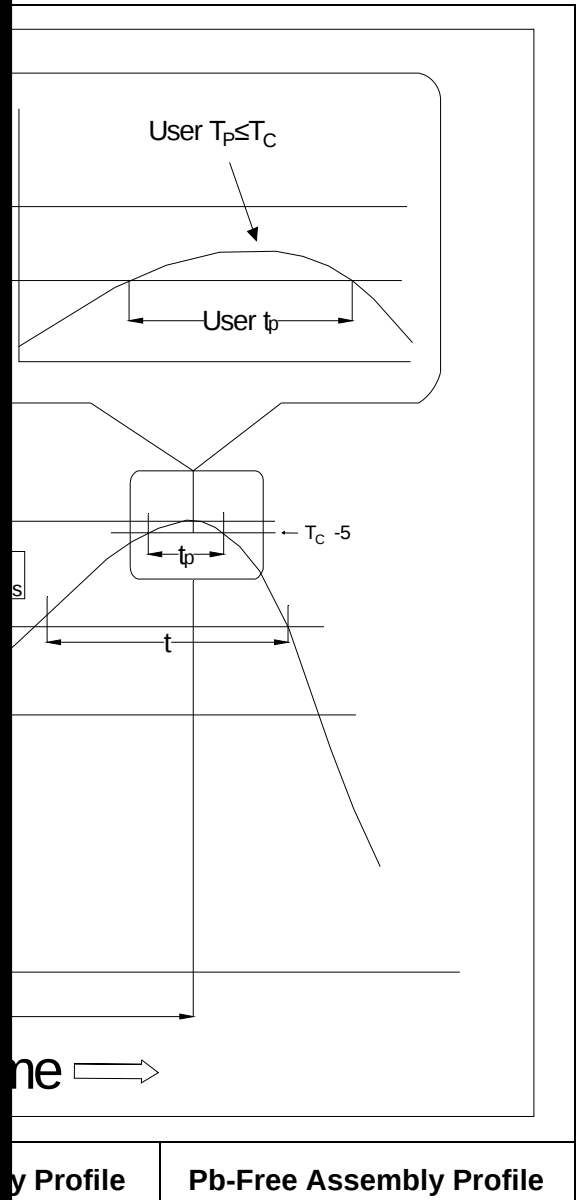


FIG.8: Propagation Delay vs. Ambient Temperature



Option None





Note:

1. Reflow soldering is recommended at the temperatures and times shown, no more than three times.