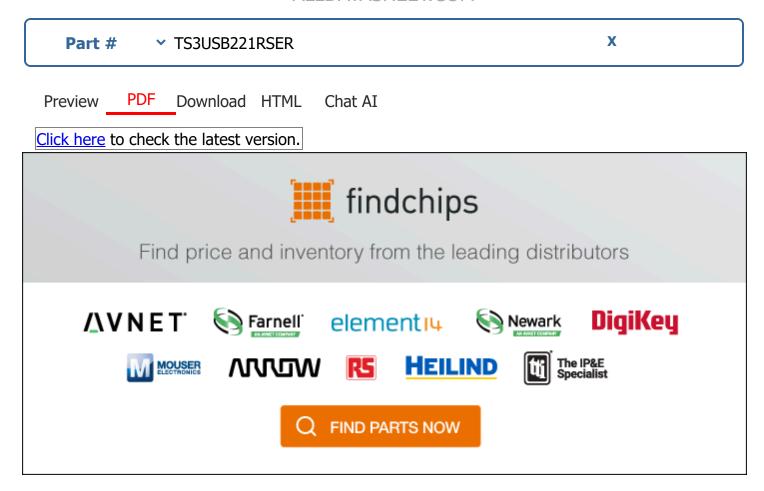
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TS3USB221RSER Datasheet (PDF) - Texas Instruments

X

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Dynamic Electrical Characteristics

over operating range, $T_A = -40^{\circ}\text{C}$ to 85°C, $V_{CC} = 2.5 \text{ V} \pm 10\%$, GND = 0 V

	PARAMETER	TEST CONDITIONS
X _{TALK}	Crosstalk	$R_L = 50 \Omega$, $f = 250 MHz$
O _{IRR}	OFF isolation	$R_L = 50 \Omega$, $f = 250 MHz$
BW	Bandwidth (-3 dB)	R _L = 50 Ω

For Max or Min conditions, use the appropriate value specified under Electrical Characteristics

Switching Characteristics

over operating range, $T_A = -40$ °C to 85°C, $V_{CC} = 3.3 \text{ V} \pm 10\%$, GND = 0 V

PARAMETER			TEST CONDITIO
t _{pd}	Propagation delay (2)(3)		
t _{ON}	Line enable time,	SEL to D, nD	
t _{OFF}	Line disable time,	SEL to D, nD	
t _{ON}	Line enable time,	OE to D, nD	
t _{OFF}	Line disable time,	OE to D, nD	
t _{SK(O)}	Output skew between center port		
t _{SK(P)}	Skew between opposite transition $(t_{PHL} - t_{PLH})^{(2)}$		

- For Max or Min conditions, use the appropriate value specified under Electrical Characteristics
- (2) Specified by design (3) The bus switch contributes no propagational delay other than the RC delay of the on resistance The time constant for the switch alone is of the order of 0.25 ns for 10-pF load. Since this time times of typical driving signals, it adds very little propagational delay to the system. Propagatic a system, is determined by the driving circuit on the driving side of the switch and its interactic

Switching Characteristics

over operating range, $T_A = -40$ °C to 85°C, $V_{CC} = 2.5 \text{ V} \pm 10$ %, GND = 0 V

	PARAMETER	
t _{pd}	Propagation delay (2)(3)	•

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Similar Part No. - TS3USB221RSER

Manufacturer

Part #

Datasheet

Description



TS3USB221RSER



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IS3USB221RSER

1Mb / 27P

En

Enable

TS3USB221RSERG4



HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE

More results

Similar Description - TS3USB221RSER

Manufacturer	Part #	Datasheet	Description
TEXAS INSTRUMENTS Texas Instruments	TS3USB30	311Kb / 12P	HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB30	770Kb / 18P	HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB30E	705Kb / 15P	ESD PROTECTED, HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB221A	730Kb / 16P	ESD PROTECTED, HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB221	1Mb / 20P	HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB30	892Kb / 19P	HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB221	1Mb / 20P	HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
	TS3USB30E	1Mb / 20P	ESD PROTECTED, HIGH-SPEED USB 2.0 (480-Mbps) 1:2 MULTIPLEXER/DEMULTIPLEXER SWITCH WITH SINGLE ENABLE
Global Mixed-mode Techn	G3206	91Kb / 1P	High-Speed USB 2.0 (480-Mbps) 1:2 Multiplexer Demultiplexer Switch with Single Enable
TEXAS INSTRUMENTS Texas Instruments	TS3USB221	1Mb / 27P	High-Speed USB 2.0 (480-Mbps) 1:2 Multiplexer ??Demultiplexer Switch With Single Enable

More results

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