Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

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April 1st, 2010 Renesas Electronics Corporation

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HITACHI MICROCOMPUTER TECHNICAL UPDATE

DATE	4 September 2000	r 2000 No. TN-SH7			
THEME	SH7751 AC characteristics of CKIO	·	·		
CLASSIFICATION	Spec changeSupplement of Documents	Limitation on Use			
PRODUCTNAME	HD6417751			Lot No.etc.	All
REFERENCE DOCUMENTS	SH7751 Hardware Manual]	Rev.	EffectiveDate	Eternity
			1	From	

1. Contents

Two new AC parameters are added to SH7751 AC characteristics.

One is CKIO clock output high-level pulse width 2 (tCKOH2) and the other is CKIO clock output low-level pulse width 2 (tCKOL2).

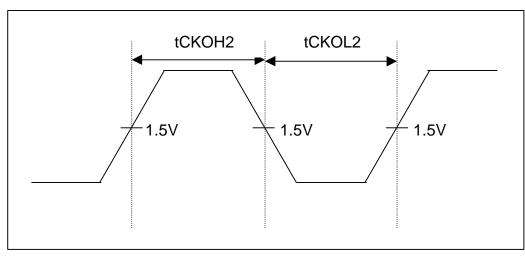


Figure 1. CKIO output Timing

Table 1. Clock Signal Timing

Product Name	Package	tCKOL2		tCKOH	Unit	
		Min.	Max.	Min.	Max.	
HD6417751	QFP	3	-	3	-	ns

[Note]. HD6417751F167 : Vddq = 3.0 to 3.6V, Vdd=1.8V typ, Ta=-20 to 75°C, CL=30pF HD6417751F167I : Vddq = 3.0 to 3.6V, Vdd=1.8V typ, Ta=-40 to 85°C, CL=30pF HD6417751VF133 : Vddq = 3.0 to 3.6V, Vdd=1.5V typ, Ta=-20 to 75°C, CL=30pF