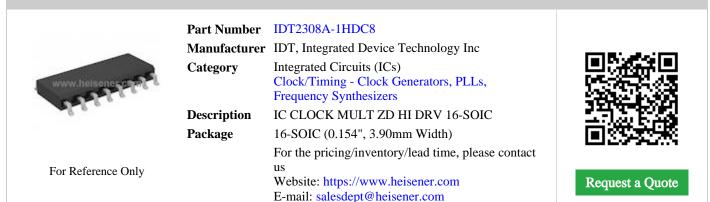


## **IDT2308A-1HDC8**

#### **IDT2308A-1HDC8 Information**



#### **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



#### **IDT2308A-1HDC8** Specifications

Manufacturer Part Number IDT2308A-1HDC8   Manufacturer IDT, Integrated Device Technology Inc   Category Integrated Circuits (ICs)   Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers   Package 16-SOIC (0.154", 3.90mm Width)   Series -   Type Multiplier, Zero Delay Buffer   PLL Yes with Bypass   Input LVTTL   Output LVTTL   Number of Circuits 1   Ratio - Input:Output No/No   Frequency - Max 133.3MHz   Divider/Multiplier No/No   Voltage - Supply Surface Mount   Mounting Type Surface Mount   Package / Case 16-SOIC (0.154", 3.90mm Width)		
CategoryIntegrated Circuits (ICs) Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage16-SOIC (0.154", 3.90mm Width)Series-TypeMultiplier, Zero Delay BufferPLLYes with BypassInputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:Output1.8Differential - Input:OutputNo/NoFrequency - Max13.3.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeInf-SOIC (0.154", 3.90mm Width)Package / Case16-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	IDT2308A-1HDC8
Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage16-SOIC (0.154", 3.90mm Width)Series-TypeMultiplier, Zero Delay BufferPLLYes with BypassInputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:OutputNo/NoFrequency - Max13.3.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting Type16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Manufacturer	IDT, Integrated Device Technology Inc
Package16-SOIC (0.154", 3.90mm Width)Series-TypeMultiplier, Zero Delay BufferPLLYes with BypassInputLVTTLOutputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:Output1:8Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountSupplier Device Package16-SOIC (0.154", 3.90mm Width)	Category	Integrated Circuits (ICs)
Series-TypeMultiplier, Zero Delay BufferPLLYes with BypassInputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:Output18Differential - Input:OutputNo/NoFrequency - Max13.3 MHzNolvoStar Sol Sol SolOutput0°C ~ 70°CMounting Type06 SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC		Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers
TypeMultiplier, Zero Delay BufferPLLYes with BypassInputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:Output1.8Differential - Input:OutputNo/NoFrequency - Max3.3.3MHzDivider/MultiplierSV ~ 3.6 VOperating Temperature0°C ~ 70°CMounting Type16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.154", 3.90mm Width)
PLLYes with BypassInputLVTTLOutputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:Output1.8Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Series	-
InputLVTTLOutputLVTTLNumber of Circuits1Ratio - Input:Output1.8Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	Туре	Multiplier, Zero Delay Buffer
InterformOutputLVTTLNumber of Circuits1Ratio - Input:Output1:8Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)	PLL	Yes with Bypass
Number of Circuits1Ratio - Input:Output1:8Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Input	LVTTL
Ratio - Input:Output1:8Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Output	LVTTL
Differential - Input:OutputNo/NoFrequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Number of Circuits	1
Frequency - Max133.3MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Ratio - Input:Output	1:8
Divider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Differential - Input:Output	No/No
Voltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Frequency - Max	133.3MHz
Operating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Divider/Multiplier	No/No
Mounting TypeSurface MountPackage / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Voltage - Supply	3 V ~ 3.6 V
Package / Case16-SOIC (0.154", 3.90mm Width)Supplier Device Package16-SOIC	Operating Temperature	$0^{\circ}$ C ~ $70^{\circ}$ C
Supplier Device Package 16-SOIC	Mounting Type	Surface Mount
	Package / Case	16-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

#### **IDT2308A-1HDC8** Guarantees



Quality Guarantees

We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### **IDT2308A-1HDC8** Payment Methods



### **IDT2308A-1HDC8** Shipping Methods



If you have any question about IDT2308A-1HDC8, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com