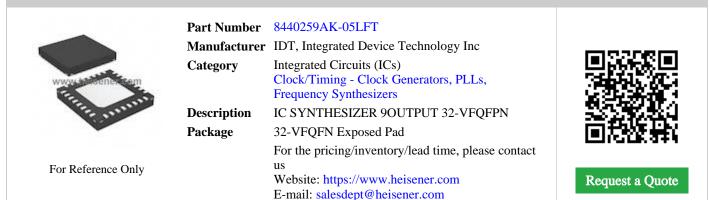


## 8440259AK-05LFT

#### 8440259AK-05LFT 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.



#### 8440259AK-05LFT Specifications

Manufacturer Part Number 8440259AK-05LFT   Manufacturer IDT, Integrated Device Technology Inc   Category Integrated Circuits (ICs)   Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers   Package 32-VFQFN Exposed Pad   Series FentoClock?   Type Frequency Synthesizer   PLL Yes with Bypass   Input LVCMOS, LVTL, Crystal   Output LVCMOS, LVDS, LVTTL   Number of Circuits 1   Ratio - Input:Output Series   Prequency - Max 125MHz   Divider/Multiplier Yes/No   Voltage - Supply 3.135 V ~ 3.465 V   Output Surface Mount   Mounting Type Surface Mount   Package / Case 3.2-VFQFN Exposed Pad		
CategoryIntegrated Circuits (ICs) Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage32-VFQFN Exposed PadSeriesFemtoClock?TypeFrequency SynthesizerPLLYes with BypassInputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOutputSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Manufacturer Part Number	8440259AK-05LFT
Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage32-VFQFN Exposed PadSeriesFemtoClock?TypeFrequency SynthesizerPLLYes with BypassInputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOutputSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Manufacturer	IDT, Integrated Device Technology Inc
Package32-VFQFN Exposed PadSeriesFemtoClock?TypeFrequency SynthesizerPLLYes with BypassInputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Category	Integrated Circuits (ICs)
SeriesFemtoClock?TypeFrequency SynthesizerPLLYes with BypassInputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2.9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFPN (55)		Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers
TypeFrequency SynthesizerPLLFrequency SynthesizerPLLYes with BypassInputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Package	32-VFQFN Exposed Pad
PLLYes with BypassInputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Series	FemtoClock?
InputLVCMOS, LVTTL, CrystalOutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Туре	Frequency Synthesizer
OutputLVCMOS, LVDS, LVTTLNumber of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	PLL	Yes with Bypass
Number of Circuits1Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Input	LVCMOS, LVTTL, Crystal
Ratio - Input:Output2:9Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Output	LVCMOS, LVDS, LVTTL
Differential - Input:OutputNo/YesFrequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Number of Circuits	1
Frequency - Max125MHzDivider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFN (5x5)	Ratio - Input:Output	2:9
Divider/MultiplierYes/NoVoltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Differential - Input:Output	No/Yes
Voltage - Supply3.135 V ~ 3.465 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Frequency - Max	125MHz
Operating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Divider/Multiplier	Yes/No
Mounting TypeSurface MountPackage / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Voltage - Supply	3.135 V ~ 3.465 V
Package / Case32-VFQFN Exposed PadSupplier Device Package32-VFQFPN (5x5)	Operating Temperature	$0^{\circ}$ C ~ $70^{\circ}$ C
Supplier Device Package32-VFQFPN (5x5)	Mounting Type	Surface Mount
	Package / Case	32-VFQFN Exposed Pad
Report errors?	Supplier Device Package	32-VFQFPN (5x5)
		Report errors?

#### 8440259AK-05LFT 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.

#### 8440259AK-05LFT Payment Methods



### 8440259AK-05LFT Shipping Methods



If you have any question about 8440259AK-05LFT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com