

# ICS2059GI-02

#### **ICS2059GI-02 Information**

figure helsener cont	Part Number	ICS2059GI-02	
	Manufacturer	IDT, Integrated Device Technology Inc	EN7-12#EN
	Category	Integrated Circuits (ICs) Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers	
	Description	IC CLK MULT/JITTER ATTEN 16TSSOP	102 2526
	Package	16-TSSOP (0.173", 4.40mm Width)	_ <b>m</b> 22266
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **Certified Quality**

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# **ICS2059GI-02 Specifications**

Manufacturer Part NumberICS2059G1-02ManufacturerDT, Integrated Device Technology IncCategoryIntegrated Circuits (ICS)PackageClock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackageI-STSOP (0.173", 4.40mm Width)Series-TypeJitter Attenuator, MultiplexerPLLYesInputClock, CrystalOutputCMOSNumber of Circuits1Ratio - Input:OutputSindePiferential - Input:OutputNo/NoPrequency - Max2/MHZOlding - Sungly3.15 V - 3.45 VOutputSurface MountOutputing TypeSurface MountPickage / Case1.5SOP (0.173", 4.40mm Width)Output Greating1.5SOP (0.173", 4.40mm Width)Pickage / Case6.5SOP (0.173", 4.40mm Width)Pickage / Case6.5SOP (0.173", 4.40mm Width)Pickage / Case6.5SOP (0.173", 4.40mm Width)			
CategoryIntegrated Circuits (ICs) Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage16-TSSOP (0.173", 4.40mm Width)Series-TypeJitter Attenuator, MultiplexerPLLYesInputClock, CrystalOutputCMOSNumber of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOutputSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Package / Case16-TSSOP (0.173", 4.40mm Width)	Manufacturer Part Number	ICS2059GI-02	
Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage16-TSSOP (0.173", 4.40mm Width)Series-TypeJitter Attenuator, MultiplexerPLLYesInputClock, CrystalOutputCMOSNumber of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzPoirader, Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Manufacturer	IDT, Integrated Device Technology Inc	
Package16-TSSOP (0.173", 4.40mm Width)Series-TypeJitter Attenuator, MultiplexerPLLYesInputClock, CrystalOutputCMOSNumber of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)	Category	Integrated Circuits (ICs)	
Series-TypeJitter Attenuator, MultiplexerPLLYesInputClock, CrystalOutputCMOSNumber of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max2:7MHzOltider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature4.0°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)		Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers	
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PLL Yes   Input Clock, Crystal   Output CMOS   Number of Circuits 1   Ratio - Input:Output 2:1   Differential - Input:Output No/No   Frequency - Max 27MHz   Divider/Multiplier Yes/Yes   Voltage - Supply 3.15 V ~ 3.45 V   Operating Temperature 40°C ~ 85°C   Mounting Type Surface Mount   Package / Case 16-TSSOP (0.173", 4.40mm Width)	Series	-	
InputClock, CrystalOutputCMOSNumber of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating TemperatureSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Туре	Jitter Attenuator, Multiplexer	
OutputCMOSNumber of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	PLL	Yes	
Number of Circuits1Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)	Input	Clock, Crystal	
Ratio - Input:Output2:1Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package-67SSOP	Output	CMOS	
Differential - Input:OutputNo/NoFrequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Number of Circuits	1	
Frequency - Max27MHzDivider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Ratio - Input:Output	2:1	
Divider/MultiplierYes/YesVoltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Differential - Input:Output	No/No	
Voltage - Supply3.15 V ~ 3.45 VOperating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Frequency - Max	27MHz	
Operating Temperature-40°C ~ 85°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Divider/Multiplier	Yes/Yes	
Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Voltage - Supply	3.15 V ~ 3.45 V	
Package / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP	Operating Temperature	$-40^{\circ}\mathrm{C} \sim 85^{\circ}\mathrm{C}$	
Supplier Device Package 16-TSSOP	Mounting Type	Surface Mount	
	Package / Case	16-TSSOP (0.173", 4.40mm Width)	
Report errors?	Supplier Device Package	16-TSSOP	
		Report errors?	

#### **ICS2059GI-02 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 GUARANTEE

#### **Service Guarantees**

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

# **ICS2059GI-02 Payment Methods**



# **ICS2059GI-02** Shipping Methods



If you have any question about ICS2059GI-02, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com