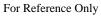


MC100EP31DTR2

Request a Quote

MC100EP31DTR2 Information

www.billioner.com	Part Number	MC100EP31DTR2
	Manufacturer	ON Semiconductor
	Category	Integrated Circuits (ICs) Logic - Flip Flops
	Description	IC D-TYPE POS TRG SNGL 8TSSOP
	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
and a second		For the pricing/inventory/lead time, please contact
For Reference Only		us Website: https://www.heisener.com



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.



MC100EP31DTR2 Specifications

Manufacturer Part NumberMC100EP31DTR2ManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)CategoryLogic - Flip FlopsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series100EPFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock FrequencyGGHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)40°C ~ 85°C (TA)Input Capacitance-Output TypeSurface MountMunder Gate-Number of Supply-Surface Mount-Surface Mount-Number of Quiescent (Iq)Surface MountSurface Mount-Surface Mount-Surfa		
CategoryIntegrated Circuits (ICs) Logic - Flip FlopsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series100EPFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element3GHzClock Frequency-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer Part Number	MC100EP31DTR2
Logic - Flip FlopsPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series100EPFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply3 V ~ 5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer	ON Semiconductor
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width)Series100EPFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Category	Integrated Circuits (ICs)
Series100EPFunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-Current - Quiescent (q)45mAInput Capacitance-Operating Temperature40°C ~ 85°C (TA)Mouting TypeSurface MountPackage / Case-Starey Cose-Starey Cose-		Logic - Flip Flops
FunctionSet(Preset) and ResetTypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock FrequencyGHZMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)-Iput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case-STSOSP (0.118", 3.00mm Width)	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
TypeD-TypeOutput TypeDifferentialNumber of Elements1Number of Bits per Element1Clock FrequencyGHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (q)-40maIput Capacitance-Operating Type-40maMounting TypeSurface MountHouting TypeSurface MountPackage / Case-80mountSurface Mount-80mountSurface MountSurface MountPackage / Case-80mountSurface Mount-80mountPackage / Case-80mountSurface Mount-80mountPackage / Case-80mountPackage / Case-80mountSurface Mount-80mountPackage / Case-80mountPackage / Case-80mountPa	Series	100EP
Output TypeDifferentialNumber of Elements1Number of Bits per Element1Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Function	Set(Preset) and Reset
Number of Elements1Number of Bits per Element1Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Туре	D-Type
Number of Bits per Element1Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Output Type	Differential
Clock Frequency3GHzMax Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply- 3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Number of Elements	1
Max Propagation Delay @ V, Max CL-Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Number of Bits per Element	1
Trigger TypePositive EdgeCurrent - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Clock Frequency	3GHz
Current - Output High, Low-Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Max Propagation Delay @ V, Max CL	-
Voltage - Supply-3 V ~ -5.5 VCurrent - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Trigger Type	Positive Edge
Current - Quiescent (Iq)45mAInput Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Output High, Low	-
Input Capacitance-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Voltage - Supply	-3 V ~ -5.5 V
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Quiescent (Iq)	45mA
Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Input Capacitance	-
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Operating Temperature	-40°C ~ 85°C (TA)
	Mounting Type	Surface Mount
Report errors'	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Report citors		Report errors?

E-mail: salesdept@heisener.com

MC100EP31DTR2 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.

MC100EP31DTR2 Payment Methods



MC100EP31DTR2 Shipping Methods



If you have any question about MC100EP31DTR2, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com