



### **SY10EP31VKC Information**



For Reference Only

Part Number SY10EP31VKC

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

Logic - Flip Flops

**Description** IC D-TYPE POS TRG SNGL 8MSOP **Package** 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## **SY10EP31VKC Specifications**

Manufacturer Part Number         SY10EP31VKC           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           Logic - Flip Flops           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         10EP           Function         Set(Preset) and Reset           Type         D-Type           Output Type         Differential           Number of Elements         1           Number of Bits per Element         1           Clock Frequency         3GHz           Max Propagation Delay @ V, Max CL         -           Trigger Type         Positive Edge           Current - Output High, Low         -           Voltage - Supply         -3.3 V ~ -5 V           Current - Quiescent (Iq)         45mA           Input Capacitance         -           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         Surface Mount           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Report errors?	·	
Category  Integrated Circuits (ICs)  Logic - Flip Flops  Package  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Series  10EP  Function  Set(Preset) and Reset  Type  Output Type  D'Type  Output Type  Differential  Number of Elements  1  Clock Frequency  Max Propagation Delay @ V, Max CL  Trigger Type  Positive Edge  Current - Output High, Low  -  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer Part Number	SY10EP31VKC
Logic - Flip Flops           Package         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)           Series         10EP           Function         Set(Preset) and Reset           Type         D-Type           Output Type         Differential           Number of Elements         1           Number of Bits per Element         1           Clock Frequency         3GHz           Max Propagation Delay @ V, Max CL         -           Trigger Type         Positive Edge           Current - Output High, Low         -           Voltage - Supply         -3.3 V ~ -5 V           Current - Quiescent (Iq)         45mA           Input Capacitance         -           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         Surface Mount           Package / Case         8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Manufacturer	Microchip Technology
Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  Series 10EP  Function Set(Preset) and Reset  Type D-Type  Output Type Differential  Number of Elements 1  Clock Frequency 3GHz  Max Propagation Delay @ V, Max CL -  Trigger Type Positive Edge  Current - Output High, Low -  Voltage - Supply -3.3 V ~ -5 V  Current - Quiescent (Iq) 45mA  Input Capacitance -  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Category	Integrated Circuits (ICs)
Series 10EP  Function Set(Preset) and Reset  Type D-Type Output Type Differential  Number of Elements 1  Number of Bits per Element 1  Clock Frequency 3GHz  Max Propagation Delay @ V, Max CL -  Trigger Type Positive Edge  Current - Output High, Low -  Voltage - Supply -3.3 V ~ -5 V  Current - Quiescent (Iq) 45mA  Input Capacitance -  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)		Logic - Flip Flops
Function  Set(Preset) and Reset  Type  D-Type  Output Type  Differential  Number of Elements  1  Number of Bits per Element  Clock Frequency  3GHz  Max Propagation Delay @ V, Max CL  Trigger Type  Positive Edge  Current - Output High, Low  -  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  Mounting Type  Surface Mount  Package / Case  D-Type  D-Type  Differential  1  1  45mA  Surface Mount  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Type Output Type Differential Number of Elements 1 Number of Bits per Element 1 Clock Frequency 3GHz Max Propagation Delay @ V, Max CL - Trigger Type Positive Edge Current - Output High, Low - Voltage - Supply -3.3 V ~ -5 V Current - Quiescent (Iq) Input Capacitance Operating Temperature Mounting Type Surface Mount Package / Case  Differential  1  A 5 M Differential  Number of Elements 1  A 5 M Current - Quiescent (Iq) Surface Mount Surface Mount Package / Case  Differential  A 5 M Current - Quiescent (Iq) Surface Mount Surface Mount Package / Case	Series	10EP
Output Type  Number of Elements  1  Number of Bits per Element  1  Clock Frequency  3GHz  Max Propagation Delay @ V, Max CL  Trigger Type  Positive Edge  Current - Output High, Low  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  Differential  1  0 'Input Capacital (Iq)  Surface Mount  Package / Case  Differential  1  Surface Mount  Surface Mount  Surface Mount (Iq)  Package / Case	Function	Set(Preset) and Reset
Number of Elements  1 Number of Bits per Element  Clock Frequency  3GHz  Max Propagation Delay @ V, Max CL  Trigger Type  Positive Edge  Current - Output High, Low  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  1  1  1  1  1  1  1  1  1  1  1  1  1	Туре	D-Type
Number of Bits per Element  Clock Frequency  3GHz  Max Propagation Delay @ V, Max CL  Trigger Type  Positive Edge  Current - Output High, Low  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  1  3GHz  -  0 Or C ~ 10000000000000000000000000000000000	Output Type	Differential
Clock Frequency  Max Propagation Delay @ V, Max CL  Trigger Type  Positive Edge  Current - Output High, Low  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  3GHz  -  Orc ~ 10°C ~ 10°C ~ 10°C ~ 10°C ~ 11°C ~ 1	Number of Elements	1
Max Propagation Delay @ V, Max CL  Trigger Type Positive Edge  Current - Output High, Low - Voltage - Supply -3.3 V ~ -5 V  Current - Quiescent (Iq) 45mA  Input Capacitance Operating Temperature O°C ~ 70°C (TA)  Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Number of Bits per Element	1
Trigger Type Positive Edge  Current - Output High, Low -  Voltage - Supply -3.3 V ~ -5 V  Current - Quiescent (Iq) 45mA  Input Capacitance -  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Clock Frequency	3GHz
Current - Output High, Low  Voltage - Supply  -3.3 V ~ -5 V  Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Max Propagation Delay @ V, Max CL	-
Voltage - Supply $-3.3 \text{ V} \sim -5 \text{ V}$ Current - Quiescent (Iq) $45\text{mA}$ Input Capacitance $-$ Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C (TA)}$ Mounting Type $\text{Surface Mount}$ Package / Case $8-\text{TSSOP}, 8-\text{MSOP (0.118", 3.00mm Width)}$	Trigger Type	Positive Edge
Current - Quiescent (Iq)  Input Capacitance  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Output High, Low	-
	Voltage - Supply	-3.3 V ~ -5 V
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)  Mounting Type Surface Mount  Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Current - Quiescent (Iq)	45mA
Mounting Type Surface Mount Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Input Capacitance	-
Package / Case 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
-	Mounting Type	Surface Mount
Report errors?	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
		Report errors?

#### **SY10EP31VKC 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## **SY10EP31VKC Payment Methods**



















# **SY10EP31VKC Shipping Methods**













If you have any question about SY10EP31VKC, please do not hesitate to contact us!

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