



#### MC74AC08DTR2 Information



For Reference Only

Part Number MC74AC08DTR2

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
Logic - Gates and Inverters

**Description** IC GATE AND 4CH 2-INP 14-TSSOP **Package** 14-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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# MC74AC08DTR2 Specifications

Manufacturer Part Number         MC74AC08DTR2           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Logic - Gates and Inverters         Logic - Gates and Inverters           Package         14-TSSOP (0.173", 4.40mm Width)           Series         74AC           Logic Type         AND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         4μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.9 V ~ 1.65 V           Logic Level - High         2.1 V ~ 3.85 V           Max Propagation Delay @ V, Max CL         7.5ns @ 5V, 50pF           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Supplier Device Package         14-TSSOP           Package / Case         14-TSSOP (0.173", 4.40mm Width)		
Category         Integrated Circuits (ICs)           Logic - Gates and Inverters           Package         14-TSSOP (0.173", 4.40mm Width)           Series         74AC           Logic Type         AND Gate           Number of Circuits         4           Number of Inputs         2           Features         -           Voltage - Supply         2 V ~ 6 V           Current - Quiescent (Max)         4μA           Current - Output High, Low         24mA, 24mA           Logic Level - Low         0.9 V ~ 1.65 V           Logic Level - High         2.1 V ~ 3.85 V           Max Propagation Delay @ V, Max CL         7.5ns @ 5V, 50pF           Operating Temperature         -40°C ~ 85°C           Mounting Type         Surface Mount           Supplier Device Package         14-TSSOP           Package / Case         14-TSSOP (0.173", 4.40mm Width)	Manufacturer Part Number	MC74AC08DTR2
$\begin{array}{c} \text{Logic - Gates and Inverters} \\ \text{Package} \\ \text{Series} \\ \text{74AC} \\ \text{Logic Type} \\ \text{AND Gate} \\ \text{Number of Circuits} \\ \text{4} \\ \text{Number of Inputs} \\ \text{2} \\ \text{Features} \\ \text{Voltage - Supply} \\ \text{2 V} \sim 6 \text{ V} \\ \text{Current - Quiescent (Max)} \\ \text{Current - Output High, Low} \\ \text{Logic Level - Low} \\ \text{Logic Level - High} \\ \text{Max Propagation Delay @ V, Max CL} \\ \text{Operating Temperature} \\ \text{Mounting Type} \\ \text{Supplier Device Package} \\ \text{Package / Case} \\ \text{14-TSSOP (0.173", 4.40mm Width)} \\ \end{array}$	Manufacturer	ON Semiconductor
Package       14-TSSOP (0.173", 4.40mm Width)         Series       74AC         Logic Type       AND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       2 V ~ 6 V         Current - Quiescent (Max)       4μA         Current - Output High, Low       24mA, 24mA         Logic Level - Low       0.9 V ~ 1.65 V         Logic Level - High       2.1 V ~ 3.85 V         Max Propagation Delay @ V, Max CL       7.5ns @ 5V, 50pF         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Supplier Device Package       14-TSSOP         Package / Case       14-TSSOP (0.173", 4.40mm Width)	Category	Integrated Circuits (ICs)
Series $74AC$ Logic TypeAND GateNumber of Circuits4Number of Inputs2Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $4\mu A$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP}$ (0.173", 4.40mm Width)		Logic - Gates and Inverters
Logic Type       AND Gate         Number of Circuits       4         Number of Inputs       2         Features       -         Voltage - Supply       2 V ~ 6 V         Current - Quiescent (Max)       4μA         Current - Output High, Low       24mA, 24mA         Logic Level - Low       0.9 V ~ 1.65 V         Logic Level - High       2.1 V ~ 3.85 V         Max Propagation Delay @ V, Max CL       7.5ns @ 5V, 50pF         Operating Temperature       -40°C ~ 85°C         Mounting Type       Surface Mount         Supplier Device Package       14-TSSOP         Package / Case       14-TSSOP (0.173", 4.40mm Width)	Package	14-TSSOP (0.173", 4.40mm Width)
Number of Circuits4Number of Inputs2Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)4μACurrent - Output High, Low24mA, 24mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.1 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Series	74AC
Number of Inputs2Features-Voltage - Supply2 V ~ 6 VCurrent - Quiescent (Max)4μACurrent - Output High, Low24mA, 24mALogic Level - Low0.9 V ~ 1.65 VLogic Level - High2.1 V ~ 3.85 VMax Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Logic Type	AND Gate
Features-Voltage - Supply $2 \text{ V} \sim 6 \text{ V}$ Current - Quiescent (Max) $4\mu\text{A}$ Current - Output High, Low $24\text{mA}$ , $24\text{mA}$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5\text{ns}$ @ $5\text{V}$ , $50\text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP}$ ( $0.173^{\circ}$ , $4.40\text{mm}$ Width)	Number of Circuits	4
Voltage - Supply	Number of Inputs	2
Current - Quiescent (Max) $4\mu A$ Current - Output High, Low $24mA$ , $24mA$ Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5ns \otimes 5V$ , $50pF$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ Mounting Type Surface Mount Supplier Device Package $14-TSSOP$ Package / Case $14-TSSOP (0.173'', 4.40mm Width)$	Features	-
Current - Output High, Low  Logic Level - Low  0.9 V ~ 1.65 V  Logic Level - High  2.1 V ~ 3.85 V  Max Propagation Delay @ V, Max CL  7.5ns @ 5V, 50pF  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP  Package / Case  14-TSSOP (0.173", 4.40mm Width)	Voltage - Supply	2 V ~ 6 V
Logic Level - Low $0.9 \text{ V} \sim 1.65 \text{ V}$ Logic Level - High $2.1 \text{ V} \sim 3.85 \text{ V}$ Max Propagation Delay @ V, Max CL $7.5 \text{ns} \otimes 5 \text{V}, 50 \text{pF}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Mounting TypeSurface MountSupplier Device Package $14\text{-TSSOP}$ Package / Case $14\text{-TSSOP} (0.173", 4.40 \text{mm Width})$	Current - Quiescent (Max)	$4\mu A$
Logic Level - High  2.1 V ~ 3.85 V  Max Propagation Delay @ V, Max CL  7.5ns @ 5V, 50pF  Operating Temperature  -40°C ~ 85°C  Mounting Type  Surface Mount  Supplier Device Package  14-TSSOP  Package / Case  14-TSSOP (0.173", 4.40mm Width)	Current - Output High, Low	24mA, 24mA
Max Propagation Delay @ V, Max CL7.5ns @ 5V, 50pFOperating Temperature-40°C ~ 85°CMounting TypeSurface MountSupplier Device Package14-TSSOPPackage / Case14-TSSOP (0.173", 4.40mm Width)	Logic Level - Low	0.9 V ~ 1.65 V
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Mounting Type Surface Mount Supplier Device Package 14-TSSOP Package / Case 14-TSSOP (0.173", 4.40mm Width)	Max Propagation Delay @ V, Max CL	7.5ns @ 5V, 50pF
Supplier Device Package 14-TSSOP Package / Case 14-TSSOP (0.173", 4.40mm Width)	Operating Temperature	-40°C ~ 85°C
Package / Case 14-TSSOP (0.173", 4.40mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	14-TSSOP
Report errors?	Package / Case	14-TSSOP (0.173", 4.40mm Width)
Report errors:		Report errors?

### MC74AC08DTR2 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.

## MC74AC08DTR2 Payment Methods



















## MC74AC08DTR2 Shipping Methods













If you have any question about MC74AC08DTR2, please do not hesitate to contact us!

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