



Image may be representation.  
See specifications for product details.

### MCP6542T-E/MSVAO

Part Number: **MCP6542T-E/MSVAO**  
 Product Description: IC COMP 1.6V DUAL P-P 8MSOP  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [MCP6542T-E/MSVAO.pdf](#)

Manufacturer/Brand: Micrel / Microchip Technology  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

<b>Part Number</b>	MCP6542T-E/MSVAO	<b>Manufacturer</b>	Micrel / Microchip Technology
<b>Description</b>	IC COMP 1.6V DUAL P-P 8MSOP	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	MCP6542T-E/MSVAO.pdf		
<b>Voltage - Supply, Single/Dual (±)</b>	1.6 V ~ 5.5 V	<b>Voltage - Input Offset (Max)</b>	7mV @ 5.5V
<b>Type</b>	General Purpose	<b>Supplier Device Package</b>	8-MSOP
<b>Series</b>	Automotive, AEC-Q100	<b>Propagation Delay (Max)</b>	8µs
<b>Packaging</b>	Tape & Reel (TR)	<b>Package / Case</b>	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
<b>Output Type</b>	CMOS, Push-Pull, Rail-to-Rail, TTL	<b>Other Names</b>	MCP6542T-E/MSVAOTR
<b>Operating Temperature</b>	-40°C ~ 125°C	<b>Number of Elements</b>	2
<b>Mounting Type</b>	Surface Mount	<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant	<b>Hysteresis</b>	6.5mV
<b>Detailed Description</b>	Comparator General Purpose CMOS, Push-Pull, Rail-to-Rail, TTL 8-MSOP	<b>Current - Quiescent (Max)</b>	1µA
<b>Current - Output (Typ)</b>	-	<b>Current - Input Bias (Max)</b>	1pA @ 5.5V
<b>CMRR, PSRR (Typ)</b>	70dB CMRR, 80dB PSRR	<b>Base Part Number</b>	MCP6542

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