



#### MAX4583CEE+T Information



For Reference Only

Part Number MAX4583CEE+T
Manufacturer Maxim Integrated
Category Integrated Circuits (ICs)

Interface - Analog Switches, Multiplexers,

**Demultiplexers** 

DescriptionIC SWITCH TRIPLE SPDT 16QSOPPackage16-SSOP (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **MAX4583CEE+T Specifications**

Manufacturer Part Number         MAX4583CEE+T           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           Interface - Analog Switches, Multiplexers, Demultiplexers           Package         16-SSOP (0.154", 3.90mm Width)           Series         -           Switch Circuit         SPDT           Multiplexer/Demultiplexer Circuit         2:1           Number of Circuits         3           On-State Resistance (Max)         80 Ohm           Channel-to-Channel Matching (Ron)         1 Ohm           Voltage - Supply, Single (V+)         2 V ~ 12 V           Voltage - Supply, Dual (V±)         ±2 V ~ 6 V           Switch Time (Ton, Toff) (Max)         200ns, 100ns           -3db Bandwidth         -           Charge Injection         0.5pC           Channel Capacitance (CS(off), CD(off))         4pF, 6pF           Current - Leakage (IS(off)) (Max)         InA           Crosstalk         -73dB @ IMHz           Operating Temperature         0°C ~ 70°C (TA)           Package / Case         16-SSOP (0.154", 3.90mm Width)           Supplier Device Package         16-QSOP	*	
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Switch CircuitSPDTMultiplexer/Demultiplexer Circuit2:1Number of Circuits3On-State Resistance (Max)80 OhmChannel-to-Channel Matching (Ron)1 OhmVoltage - Supply, Single (V+)2 V ~ 12 VVoltage - Supply, Dual (V±)±2 V ~ 6 VSwitch Time (Ton, Toff) (Max)200ns, 100ns-3db Bandwidth-Charge Injection0.5pCChannel Capacitance (CS(off), CD(off))4pF, 6pFCurrent - Leakage (IS(off)) (Max)1nACrosstalk-73dB @ 1MHzOperating Temperature0°C ~ 70°C (TA)Package / Case16-SSOP (0.154", 3.90mm Width)Supplier Device Package16-QSOP	Package	16-SSOP (0.154", 3.90mm Width)
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On-State Resistance (Max)  Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  Voltage - Supply, Dual (V±)  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  - Charge Injection  Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  O°C ~ 70°C (TA)  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package	Multiplexer/Demultiplexer Circuit	2:1
Channel-to-Channel Matching (Ron)  Voltage - Supply, Single (V+)  2 V ~ 12 V  Voltage - Supply, Dual (V±)  ±2 V ~ 6 V  Switch Time (Ton, Toff) (Max)  -3db Bandwidth  - Charge Injection  Channel Capacitance (CS(off), CD(off))  4pF, 6pF  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  -73dB @ 1MHz  Operating Temperature  0°C ~ 70°C (TA)  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package	Number of Circuits	3
Voltage - Supply, Single (V+) $2 \text{ V} \sim 12 \text{ V}$ Voltage - Supply, Dual (V±) $\pm 2 \text{ V} \sim 6 \text{ V}$ Switch Time (Ton, Toff) (Max) $200\text{ns}$ , $100\text{ns}$ - $3db$ Bandwidth - Charge Injection $0.5\text{pC}$ Channel Capacitance (CS(off), CD(off)) $4\text{pF}$ , $6\text{pF}$ Current - Leakage (IS(off)) (Max) $1\text{nA}$ Crosstalk -73dB @ 1MHz Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA) Package / Case $16\text{-SSOP}$ (0.154", 3.90mm Width) Supplier Device Package	On-State Resistance (Max)	80 Ohm
Voltage - Supply, Dual (V±) ±2 V ~ 6 V  Switch Time (Ton, Toff) (Max) 200ns, 100ns  -3db Bandwidth -  Charge Injection 0.5pC  Channel Capacitance (CS(off), CD(off)) 4pF, 6pF  Current - Leakage (IS(off)) (Max) 1nA  Crosstalk -73dB @ 1MHz  Operating Temperature 0°C ~ 70°C (TA)  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP	Channel-to-Channel Matching (Ron)	1 Ohm
Switch Time (Ton, Toff) (Max)  -3db Bandwidth  -Charge Injection  Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  Crosstalk  -73dB @ 1MHz  Operating Temperature  0°C ~ 70°C (TA)  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Supply, Single (V+)	2 V ~ 12 V
-3db Bandwidth - 0.5pC  Charge Injection 0.5pC  Channel Capacitance (CS(off), CD(off)) 4pF, 6pF  Current - Leakage (IS(off)) (Max) 1nA  Crosstalk -73dB @ 1MHz  Operating Temperature 0°C ~ 70°C (TA)  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP	Voltage - Supply, Dual (V±)	±2 V ~ 6 V
Charge Injection 0.5pC  Channel Capacitance (CS(off), CD(off)) 4pF, 6pF  Current - Leakage (IS(off)) (Max) 1nA  Crosstalk -73dB @ 1MHz  Operating Temperature 0°C ~ 70°C (TA)  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP	Switch Time (Ton, Toff) (Max)	200ns, 100ns
Channel Capacitance (CS(off), CD(off))  Current - Leakage (IS(off)) (Max)  1nA  Crosstalk  -73dB @ 1MHz  Operating Temperature  0°C ~ 70°C (TA)  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package  16-QSOP	-3db Bandwidth	-
Current - Leakage (IS(off)) (Max)  Crosstalk  Operating Temperature  O°C ~ 70°C (TA)  Package / Case  16-SSOP (0.154", 3.90mm Width)  Supplier Device Package  16-QSOP	Charge Injection	0.5pC
Crosstalk -73dB @ 1MHz  Operating Temperature 0°C ~ 70°C (TA)  Package / Case 16-SSOP (0.154", 3.90mm Width)  Supplier Device Package 16-QSOP	Channel Capacitance (CS(off), CD(off))	4pF, 6pF
Operating Temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (TA)  Package / Case $16\text{-SSOP}$ (0.154", 3.90mm Width)  Supplier Device Package $16\text{-QSOP}$	Current - Leakage (IS(off)) (Max)	1nA
Package / Case 16-SSOP (0.154", 3.90mm Width) Supplier Device Package 16-QSOP	Crosstalk	-73dB @ 1MHz
Supplier Device Package 16-QSOP	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
	Package / Case	16-SSOP (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	16-QSOP
		Report errors?

#### MAX4583CEE+T 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.

### **MAX4583CEE+T Payment Methods**



















### MAX4583CEE+T Shipping Methods













If you have any question about MAX4583CEE+T, please do not hesitate to contact us!

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