

DIODES PERICON INC. **Diodes Incorporated**  PI5A3166CEX-1516

Part Number:

Manufacturer/Brand:

Product description Datasheets:

Stock Condition Ship From

Shipment Way

PI5A3166CEX-1516

Diodes Incorporated

IC SWITCH SPST 0.8 OHM SC70-5 PI5A3166CEX-1516.pdf

698626 pcs stock

Hong Kong DHL/Fedex/TNT/UPS/EMS



**REQUEST FOR QUOTATION** 

Image may be representation. See specifications for product details.

PART NUMBER PISA3166CEX-1516  MANUFACTURER Diodes Incorporated  DESCRIPTION IC SWITCH SPST 0.8 OHM SC70-5  LEAD FREE STATUS / ROHS STATUS  QUANTITY AVAILABLE 698626 pcs  DATA SHEET PISA3166CEX-1516.pdf  VOLTAGE - SUPPLY, SINGLE (V+) 1.65 V ~ 5.5 V  VOLTAGE - SUPPLY, DUAL (V±) - SWITCH TIME (TON, TOFF) (MAX) 2ns, 5ns  SWITCH CIRCUIT SPST - NO  SERIES - OPERATING TEMPERATURE -40°C ~ 85°C (TA)  ON-STATE RESISTANCE (MAX) 1.2 Ohm  NUMBER OF CIRCUITS 1  MULTIPLEXER/DEMULTIPLEXER CIRCUIT 1:1  DETAILED DESCRIPTION 1 CIRCUIT 1:2  DETAILED DESCRIPTION 2 20nA  CROSSTALK - CHARGE INJECTION 35pC  CHANNEL-TO-CHANNEL MATCHING (ΔRON) - CHANNEL-TO-CHANNEL MATCHING (ΔRON) - CHANNEL-TO-CHANNEL MATCHING (ΔRON) - CHANNEL CAPACITANCE (CS(OFF), CD(OFF)) 3.5pF -30B BANDWIDTH 200MHZ		Specifications of PI5A3166CEX-1516
DESCRIPTION  IC SWITCH SPST 0.8 OHM SC70-5  LEAD FREE STATUS / ROHS STATUS  QUANTITY AVAILABLE  698626 pcs  DATA SHEET  VOLTAGE - SUPPLY, SINGLE (V+)  1.65 V ~ 5.5 V  VOLTAGE - SUPPLY, DUAL (V±)  SWITCH TIME (TON, TOFF) (MAX)  SPST - NO  SERIES  OPERATING TEMPERATURE  -40°C ~ 85°C (TA)  ON-STATE RESISTANCE (MAX)  1.2 Ohm  NUMBER OF CIRCUITS  1  MULTIPLEXER/DEMULTIPLEXER CIRCUIT  1:1  DETAILED DESCRIPTION  1 Circuit IC Switch 1:1 1.2 Ohm  CURRENT - LEAKAGE (IS(OFF)) (MAX)  20nA  CROSSTALK  CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (ΔRON)  - CHANNEL-TO-CHANNEL MATCHING (ΔRON)  - CHANNEL-TO-CHANNEL MATCHING (ΔRON)  - CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	PART NUMBER	PI5A3166CEX-1516
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VOLTAGE - SUPPLY, DUAL (V±)  VOLTAGE - SUPPLY, DUAL (V±)  SWITCH TIME (TON, TOFF) (MAX)  SPST - NO  SERIES  OPERATING TEMPERATURE  ON-STATE RESISTANCE (MAX)  NUMBER OF CIRCUITS  MULTIPLEXER/DEMULTIPLEXER CIRCUIT  DETAILED DESCRIPTION  1 Circuit IC Switch 1:1 1.2 Ohm  CURRENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK  CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (\( \Delta \text{RON} \))  1.55 V ~ 5.5 V  2n., 5ns  SPST - NO  SPST - NO  SPST - NO  40°C ~ 85°C (TA)  1.2 Ohm  1.2 Ohm  1.1 Ohm  1.1 Ohm  CURENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK  - CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (\( \Delta \text{RON} \))  - CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	QUANTITY AVAILABLE	698626 pcs
VOLTAGE - SUPPLY, DUAL (V±)  SWITCH TIME (TON, TOFF) (MAX)  SPST - NO  SERIES  -  OPERATING TEMPERATURE  -40°C ~ 85°C (TA)  ON-STATE RESISTANCE (MAX)  NUMBER OF CIRCUITS  MULTIPLEXER/DEMULTIPLEXER CIRCUIT  DETAILED DESCRIPTION  1 Circuit IC Switch 1:1 1.2 Ohm  CURRENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK  CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (ARON)  -  CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	DATA SHEET	PI5A3166CEX-1516.pdf
SWITCH TIME (TON, TOFF) (MAX)  SPST - NO  SERIES  -  OPERATING TEMPERATURE  -40°C ~ 85°C (TA)  ON-STATE RESISTANCE (MAX)  NUMBER OF CIRCUITS  1  MULTIPLEXER/DEMULTIPLEXER CIRCUIT  1:1  DETAILED DESCRIPTION  1 Circuit IC Switch 1:1 1.2 Ohm  CURRENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK  -  CHANNEL-TO-CHANNEL MATCHING (ΔRON)  CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	VOLTAGE - SUPPLY, SINGLE (V+)	1.65 V ~ 5.5 V
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OPERATING TEMPERATURE -40°C ~ 85°C (TA)  ON-STATE RESISTANCE (MAX)  NUMBER OF CIRCUITS 1  MULTIPLEXER/DEMULTIPLEXER CIRCUIT 1:1  DETAILED DESCRIPTION 1 Circuit IC Switch 1:1 1.2 Ohm  CURRENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK -  CHARGE INJECTION 35pC  CHANNEL-TO-CHANNEL MATCHING (ΔRON) -  CHANNEL CAPACITANCE (CS(OFF), CD(OFF)) 3.5pF	SWITCH CIRCUIT	SPST - NO
ON-STATE RESISTANCE (MAX)  NUMBER OF CIRCUITS  1  MULTIPLEXER/DEMULTIPLEXER CIRCUIT  1:1  DETAILED DESCRIPTION  1 Circuit IC Switch 1:1 1.2 Ohm  CURRENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK  -  CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (ARON)  -  CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	SERIES	-
NUMBER OF CIRCUITS1MULTIPLEXER/DEMULTIPLEXER CIRCUIT1:1DETAILED DESCRIPTION1 Circuit IC Switch 1:1 1.2 OhmCURRENT - LEAKAGE (IS(OFF)) (MAX)20nACROSSTALK-CHARGE INJECTION35pCCHANNEL-TO-CHANNEL MATCHING (ΔRON)-CHANNEL CAPACITANCE (CS(OFF), CD(OFF))3.5pF	OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
MULTIPLEXER/DEMULTIPLEXER CIRCUIT1:1DETAILED DESCRIPTION1 Circuit IC Switch 1:1 1.2 OhmCURRENT - LEAKAGE (IS(OFF)) (MAX)20nACROSSTALK-CHARGE INJECTION35pCCHANNEL-TO-CHANNEL MATCHING (ΔRON)-CHANNEL CAPACITANCE (CS(OFF), CD(OFF))3.5pF	ON-STATE RESISTANCE (MAX)	1.2 Ohm
DETAILED DESCRIPTION1 Circuit IC Switch 1:1 1.2 OhmCURRENT - LEAKAGE (IS(OFF)) (MAX)20nACROSSTALK-CHARGE INJECTION35pCCHANNEL-TO-CHANNEL MATCHING (ΔRON)-CHANNEL CAPACITANCE (CS(OFF), CD(OFF))3.5pF	NUMBER OF CIRCUITS	1
CURRENT - LEAKAGE (IS(OFF)) (MAX)  CROSSTALK  -  CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (ΔRON)  -  CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	MULTIPLEXER/DEMULTIPLEXER CIRCUIT	1:1
CROSSTALK  CHARGE INJECTION  35pC  CHANNEL-TO-CHANNEL MATCHING (ΔRON)  CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	DETAILED DESCRIPTION	1 Circuit IC Switch 1:1 1.2 Ohm
CHARGE INJECTION 35pC  CHANNEL-TO-CHANNEL MATCHING (ΔRON) -  CHANNEL CAPACITANCE (CS(OFF), CD(OFF)) 3.5pF	CURRENT - LEAKAGE (IS(OFF)) (MAX)	20nA
CHANNEL-TO-CHANNEL MATCHING (ΔRON) -  CHANNEL CAPACITANCE (CS(OFF), CD(OFF)) 3.5pF	CROSSTALK	-
CHANNEL CAPACITANCE (CS(OFF), CD(OFF))  3.5pF	CHARGE INJECTION	35pC
	CHANNEL-TO-CHANNEL MATCHING (ΔRON)	-
-3DB BANDWIDTH 200MHz	CHANNEL CAPACITANCE (CS(OFF), CD(OFF))	3.5pF
	-3DB BANDWIDTH	200MHz

## **Related Tags**

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## **Related Products**

Manufacturers: Diodes Incorporated

Description: IC ANLG SW/MUX/DEMUX SPDT SC70-6

In stock: 904869 pcs

**RFQ** 

**PI5A3157CEX** 

DIODES PERICOM THE

Description: IC SWITCH SPDT 6TDFN In stock: 4380 pcs

Manufacturers: Diodes Incorporated

**RFQ** 

**PI5A3159ZCEX** 



DIODES PERICOM INC.

**PI5A319AW** 

Manufacturers: Diodes Incorporated Description: IC SWITCH SPDT 8SOIC

In stock: 5930 pcs

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Description: IC SWITCH DUAL SPDT 12TDFN In stock: 6909 pcs

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Description: IC SWITCH QUAD SPST 16QSOP DIODES PERICOM INC.

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Description: IC SWITCH QUAD SPST 16SOIC DIODES PERICOM DE In stock: 3918 pcs

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**PI5A3166CEX** 

Manufacturers: Diodes Incorporated Description: IC SWITCH SPST 0.8 OHM SC70-5 In stock: 683703 pcs

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PI5A3157ZAEX Manufacturers: Diodes Incorporated

Description: IC SWITCH SPDT 6TDFN In stock: 4173 pcs

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**PI5A3166TAEX** Manufacturers: Diodes Incorporated

Description: IC SWITCH SPST 0.8 OHM SOT23-5 In stock: 586084 pcs

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DIODES PERICOM INC.

**PI5A3167CCEX** Manufacturers: Diodes Incorporated Description: IC SWITCH SPST 1.2 OHM SC70-5

In stock: 202053 pcs

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DIODES PERICOM INC.

PI5A3167CTAEX Manufacturers: Diodes Incorporated

Description: IC SWITCH SPST 0.8 OHM SOT23-5 In stock: 80260 pcs

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