



### **TC1410NCOA713 Information**



For Reference Only

Part Number TC1410NCOA713

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC MOSFET DVR .5A HS 8SOIC **Package** 8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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## **TC1410NCOA713 Specifications**

Manufacturer Part Number         TC1410NCOA713           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PMIC - Gate Drivers           Package         8-SOIC (0.154", 3.90mm Width)           Series         -           Driven Configuration         Low-Side           Channel Type         Single           Number of Drivers         1           Gate Type         N-Channel, P-Channel MOSFET           Voltage - Supply         4.5 V ~ 16 V           Logic Voltage - VIL, VIH         0.8V, 2V           Current - Peak Output (Source, Sink)         500mA, 500mA           Input Type         Non-Inverting           High Side Voltage - Max (Bootstrap)         -           Rise / Fall Time (Typ)         25ns, 25ns           Operating Temperature         0°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SOIC		
Category Integrated Circuits (ICs) PMIC - Gate Drivers  Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Low-Side Channel Type Single Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 25ns, 25ns Operating Temperature 0°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Manufacturer Part Number	TC1410NCOA713
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Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 500mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Category	Integrated Circuits (ICs)
Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 500mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC		PMIC - Gate Drivers
Driven Configuration Channel Type Single Number of Drivers 1 Gate Type N-Channel, P-Channel MOSFET Voltage - Supply 4.5 V ~ 16 V Logic Voltage - VIL, VIH 0.8V, 2V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature O°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Channel TypeSingleNumber of Drivers1Gate TypeN-Channel, P-Channel MOSFETVoltage - Supply4.5 V ~ 16 VLogic Voltage - VIL, VIH0.8V, 2VCurrent - Peak Output (Source, Sink)500mA, 500mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)25ns, 25nsOperating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	Series	-
Number of Drivers  Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  0°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Driven Configuration	Low-Side
Gate Type  N-Channel, P-Channel MOSFET  Voltage - Supply  4.5 V ~ 16 V  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  25ns, 25ns  Operating Temperature  0°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  0.8V, 2V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  0°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Gate Type	N-Channel, P-Channel MOSFET
Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Voltage - Supply	4.5 V ~ 16 V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  O°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Logic Voltage - VIL, VIH	0.8V, 2V
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  25ns, 25ns  Operating Temperature  0°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	500mA, 500mA
Rise / Fall Time (Typ)  25ns, 25ns  Operating Temperature  0°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SOIC	Input Type	Non-Inverting
Operating Temperature0°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Rise / Fall Time (Typ)	25ns, 25ns
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SOIC	Operating Temperature	0°C ~ 150°C (TJ)
Supplier Device Package 8-SOIC	Mounting Type	Surface Mount
• •	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SOIC
		Report errors?

#### **TC1410NCOA713 Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

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#### **Service Guarantees**

We guarantee 100% customer satisfaction.

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

## **TC1410NCOA713 Payment Methods**



















# **TC1410NCOA713 Shipping Methods**













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