



# **FAN1086SX Information**



For Reference Only

Part Number FAN1086SX

Manufacturer Fairchild/ON Semiconductor
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LIN POS ADJ 1.5A SOT223-4

Package TO-261-4, TO-261AA

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**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **FAN1086SX Specifications**

Manufacturer Part Number         FAN1086SX           Manufacturer         Fairchild/ON Semiconductor           Category         Integrated Circuits (ICs)           Package         TO-261-4, TO-261AA           Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         7.5V           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         6V           Voltage Dropout (Max)         1.5A           Current - Output         1.5A           Current - Supply (Max)         13mA           PSRR         72dB (120Hz)           Control Features         -           Protection Features         Over Current, Over Temperature           Operating Temperature         25°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-4	*	
Category       Integrated Circuits (ICs)         PMIC - Voltage Regulators - Linear         Package       TO-261-4, TO-261AA         Series       -         Output Configuration       Positive         Output Type       Adjustable         Number of Regulators       1         Voltage - Input (Max)       7.5V         Voltage - Output (Min/Fixed)       1.25V         Voltage - Output (Max)       6V         Voltage Dropout (Max)       1.5A         Current - Output       1.5A         Current - Quiescent (Iq)       -         Current - Supply (Max)       13mA         PSRR       72dB (120Hz)         Control Features       -         Protection Features       Over Current, Over Temperature         Operating Temperature       25°C ~ 125°C         Mounting Type       Surface Mount         Package / Case       TO-261-4, TO-261AA         Supplier Device Package       SOT-223-4	Manufacturer Part Number	FAN1086SX
Package         TO-261-4, TO-261AA           Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         7.5V           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         6V           Voltage Dropout (Max)         1.5V @ 1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         13mA           PSRR         72dB (120Hz)           Control Features         -           Protection Features         Over Current, Over Temperature           Operating Temperature         25°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-4	Manufacturer	Fairchild/ON Semiconductor
Package         TO-261-4, TO-261AA           Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         7.5V           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         6V           Voltage Dropout (Max)         1.5V @ 1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         13mA           PSRR         72dB (120Hz)           Control Features         Over Current, Over Temperature           Operating Temperature         25°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-4	Category	Integrated Circuits (ICs)
Series         -           Output Configuration         Positive           Output Type         Adjustable           Number of Regulators         1           Voltage - Input (Max)         7.5V           Voltage - Output (Min/Fixed)         1.25V           Voltage - Output (Max)         6V           Voltage Dropout (Max)         1.5V @ 1.5A           Current - Output         1.5A           Current - Quiescent (Iq)         -           Current - Supply (Max)         13mA           PSRR         72dB (120Hz)           Control Features         -           Protection Features         Over Current, Over Temperature           Operating Temperature         25°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         TO-261-4, TO-261AA           Supplier Device Package         SOT-223-4		PMIC - Voltage Regulators - Linear
Output ConfigurationPositiveOutput TypeAdjustableNumber of Regulators1Voltage - Input (Max)7.5VVoltage - Output (Min/Fixed)1.25VVoltage - Output (Max)6VVoltage Dropout (Max)1.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)13mAPSRR72dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature25°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223-4	Package	TO-261-4, TO-261AA
Output TypeAdjustableNumber of Regulators1Voltage - Input (Max)7.5VVoltage - Output (Min/Fixed)1.25VVoltage - Output (Max)6VVoltage Dropout (Max)1.5V @ 1.5ACurrent - Output1.5ACurrent - Quiescent (Iq)-Current - Supply (Max)13mAPSRR72dB (120Hz)Control Features-Protection FeaturesOver Current, Over TemperatureOperating Temperature25°C ~ 125°CMounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223-4	Series	-
Number of Regulators  Voltage - Input (Max)  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Voltage - Output (Max)  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  Operating Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Output Configuration	Positive
Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.25V  Voltage - Output (Max)  6V  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  - Protection Features  Operating Temperature  Operating Temperature  25°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Output Type	Adjustable
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  6V  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)	Number of Regulators	1
Voltage - Output (Max)  Voltage Dropout (Max)  1.5V @ 1.5A  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  13mA  PSRR  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature  Operating Temperature  25°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Voltage - Input (Max)	7.5V
Voltage Dropout (Max)  Current - Output  1.5A  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  - Protection Features  Over Current, Over Temperature  Operating Temperature  25°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Voltage - Output (Min/Fixed)	1.25V
Current - Output  Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  - Protection Features  Operating Temperature  Operating Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Voltage - Output (Max)	6V
Current - Quiescent (Iq)  Current - Supply (Max)  13mA  72dB (120Hz)  Control Features  - Protection Features  Operating Temperature  25°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Voltage Dropout (Max)	1.5V @ 1.5A
Current - Supply (Max)  PSRR  72dB (120Hz)  Control Features  -  Protection Features  Over Current, Over Temperature  Operating Temperature  25°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  TO-261-4, TO-261AA  Supplier Device Package	Current - Output	1.5A
PSRR 72dB (120Hz)  Control Features -  Protection Features Over Current, Over Temperature  Operating Temperature 25°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-261-4, TO-261AA  Supplier Device Package SOT-223-4	Current - Quiescent (Iq)	-
Control Features - Over Current, Over Temperature Operating Temperature 25°C ~ 125°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-4	Current - Supply (Max)	13mA
Protection Features Operating Temperature 25°C ~ 125°C Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-4	PSRR	72dB (120Hz)
Operating Temperature 25°C ~ 125°C  Mounting Type Surface Mount  Package / Case TO-261-4, TO-261AA  Supplier Device Package SOT-223-4	Control Features	-
Mounting Type Surface Mount Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-4	Protection Features	Over Current, Over Temperature
Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223-4	Operating Temperature	25°C ~ 125°C
Supplier Device Package SOT-223-4	Mounting Type	Surface Mount
	Package / Case	TO-261-4, TO-261AA
Report errors?	Supplier Device Package	SOT-223-4
		Report errors?

### **FAN1086SX 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.

### **FAN1086SX Payment Methods**





















### **FAN1086SX Shipping Methods**













If you have any question about FAN1086SX, please do not hesitate to contact us!

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