

LDO Regulator Pos 1.2V 0.05A Automotive 8-Pin DSO T/R

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	SOIC-8
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IFX30081SJXUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The IFX30081SJV is a wide input voltage, low drop out voltage and ultra low quiescent current linear voltage regulator. With a wide input voltage range of 2.75 V to 42 V and ultra low current consumption of only 5  $\mu$ A this regulator is perfectly suitable for battery operated systems as well as supplies for sensors. The IFX30081SJV is available with an adjustable output voltage with an accuracy of 2 % and maximum output current up to 50 mA. The regulation concept implemented in the IFX30081SJV combines fast regulation and very good stability while requiring only a small ceramic capacitor of 1  $\mu$ F at the output. Internal protection features like output current limitation and overtemperature shutdown are implemented to protect the device against failures like output short circuit to GND, over-current and over-temperature. The device can be switched on and off by the Enable feature. When the device is switched off, the current consumption is less than 1  $\mu$ A.

## Features

Ultra Low Current Consumption of typ. 5  $\mu$ A

Wide Input Voltage Range of 2.75 V to 42 V

Output Current Capability up to 50 mA

Shutdown Current less than 1  $\mu$ A

Low Drop Out Voltage of typ. 100mV @ 50mA

Output Current Limit Protection

Overtemperature Shutdown

Enable Feature

Available in PG-DSO-8

Wide Temperature Range  $-40^{\circ}\text{C} \leq T_j \leq 125^{\circ}\text{C}$

Green Product (RoHS compliant)

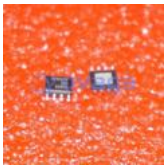
## Application

Battery Operated Systems

Sensor Supplies

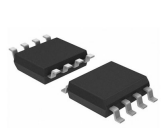
Smoke and Fire Detectors

## Related Products



### [IFX91041EJV](#)

Infineon Technologies Corporation  
SOP8



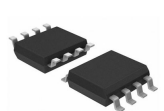
### [ISP742RIFUMA1](#)

Infineon Technologies Corporation  
PG-DSO-8



### [IFX20001MBV33HTSA1](#)

Infineon Technologies Corporation  
6-SMD (5 Leads), Gull Wing



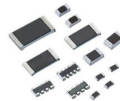
### [IFX91041EJV33XUMA1](#)

Infineon Technologies Corporation  
PG-DSO-8



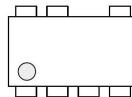
### [IFX21401MB](#)

Infineon Technologies Corporation  
PG-SCT-595-5



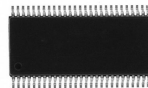
### [IFX20002MBV33HTSA1](#)

Infineon Technologies Corporation  
6-SMD (5 Leads), Gull Wing



### [IFX9201SGAUMA1](#)

Infineon Technologies Corporation  
12-BSOP (0.295, 7.50mm Width)



### [IFX91041EJV50XUMA1](#)

Infineon Technologies Corporation  
8-SOIC (0.154, 3.90mm Width)