



Image may be representation.  
See specifications for product details.



## KF25BD-TR

Manufacturer Part Number	<b>KF25BD-TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-KF25BD-TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG LINEAR 2.5V 500MA 8SO
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	<b>KFxxB.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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KF25BD-TR - STMicroelectronics.New Original in Stock. Download Linear Technology KF25BD-TR datasheet/specifications on AllelcoElec.com. Request a quote for KF25BD-TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

KF25BD-TR Tech Specifications

KF25BD-TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Type	Fixed
Voltage Dropout (Max)	0.7V @ 500mA	Output Configuration	Positive
Voltage - Output (Min/Fixed)	2.5V	Operating Temperature	-40°C ~ 125°C
Voltage - Output (Max)	-	Number of Regulators	1
Voltage - Input (Max)	20V	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Current - Supply (Max)	12 mA
Series	-	Current - Quiescent (Iq)	1 mA
Protection Features	Over Current, Over Temperature	Current - Output	500mA
Package / Case	8-SOIC (0.154', 3.90mm Width)	Control Features	Enable
Package	Tape & Reel (TR)	Base Product Number	KF25
PSRR	82dB ~ 60dB (120Hz ~ 10kHz)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics KF25BD-TR

Product Attribute				
Part Number	KF25BD-TR	<b>KF25BDT-TR</b>	<b>UCC283TDC1TTT-5</b>	<b>TPS74550PWDRBRQ1</b>
Manufacturer	STMicroelectronics	STMicroelectronics	Texas Instruments	Texas Instruments
Number of Regulators	1	1	1	1
Control Features	Enable	-	-	Current Limit, Enable, Power Good
Package / Case	8-SOIC (0.154', 3.90mm Width)	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-263-4, D <sup>2</sup> Pak (3 Leads + Tab), TO-263AA	8-VDFN Exposed Pad
Voltage - Output (Min/Fixed)	2.5V	2.5V	5V	5V
Current - Output	500mA	500mA	3A	500mA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount, Wettable Flank
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 125°C (TA)
Output Type	Fixed	Fixed	Fixed	Fixed
Protection Features	Over Current, Over Temperature	Over Current, Over Temperature	Over Current, Over Temperature, Reverse Polarity, Short Circuit, Under Voltage Lockout (UVLO)	Over Current, Over Temperature, Under Voltage Lockout (UVLO)
Voltage Dropout (Max)	0.7V @ 500mA	0.7V @ 500mA	0.6V @ 3A	0.16V @ 500mA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Supply (Max)	12 mA	12 mA	-	-
Voltage - Output (Max)	-	-	-	-
Supplier Device Package	8-SOIC	DPAK	DDPAK/TO-263-3	8-SON (3x3)
Output Configuration	Positive	Positive	Positive	Positive
Voltage - Input (Max)	20V	20V	9V	6V
PSRR	82dB ~ 60dB (120Hz ~ 10kHz)	82dB ~ 60dB (120Hz ~ 10kHz)	-	-
Base Product Number	KF25	KF25	UCC283	-
Series	-	-	-	Automotive, AEC-Q100
Current - Quiescent (Iq)	1 mA	1 mA	650 µA	36 µA

## KF25BD-TR Datasheet PDF


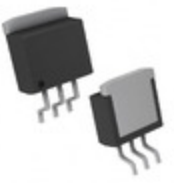




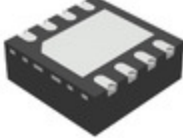




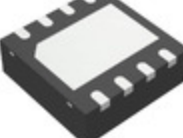






Download KF25BD-TR pdf datasheets and STMicroelectronics documentation for KF25BD-TR - STMicroelectronics.

### HTML Datasheet



## Customers Also Interested in

### Recommended Products

					
<b>KF25BDT-TR</b> STMicroelectronics IC REG LINEAR 2.5V 500MA DPAK	<b>UCC283TDKTTT-5</b> Texas Instruments IC REG LIN 5V 3A DDPAK/TO263-3	<b>KF2060</b> KF	<b>KF2N60F</b> KEC	<b>KF2N60D-RTF/H</b> KEC	<b>KF2EDG3.81-8P</b> KEFA
					
<b>TPS74550PQWDRBRQ1</b> Texas Instruments IC POWER	<b>KF2N60I</b> KEC	<b>KF25BD</b> STMicroelectronics	<b>KF25BD-TR MOS</b> STMicroelectronics	<b>KF2EDG3.81-6P</b> KEFA	<b>TPS7A1601DRBR</b> Texas Instruments IC REG LINEAR POS ADJ 100MA 8SON
					
<b>L78S09CV</b> STMicroelectronics IC REG LINEAR 9V 2A TO220AB	<b>ADP3333ARMZ-5-R7</b> Analog Devices Inc. IC REG LINEAR 5V 300MA 8MSOP	<b>KF25BDT</b> STMicroelectronics	<b>XC6214P182PR-G</b> Torex Semiconductor Ltd IC REG LINEAR 1.8V 500MA SOT89	<b>KF25BDT-TR MOS</b> STMicroelectronics	<b>LDK120M12R</b> STMicroelectronics IC REG LINEAR 1.2V 200MA SOT23-5

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.  
(Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

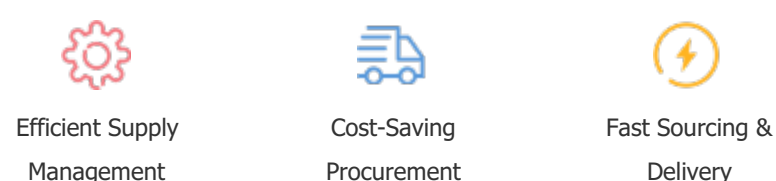
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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