

# LT6656BIS6-5#TRPBF

### LT6656BIS6-5#TRPBF Information



For Reference Only

Part Number LT6656BIS6-5#TRPBF

Manufacturer Linear Technology

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description**IC VREF SERIES 5V TSOT23-6**Package**SOT-23-6 Thin, TSOT-23-6

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.









## LT6656BIS6-5#TRPBF Specifications

| Manufacturer Part Number         LT6656BIS6-5#TRPBF           Manufacturer         Linear Technology           Category         Integrated Circuits (ICs)           PMIC - Voltage Reference         PMIC - Voltage Reference           Package         SOT-23-6 Thin, TSOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         5mA           Tolerance         ±0.1%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30ppmp-p           Noise - 10Hz to 10kHz         140µVrms           Voltage - Input         5.5 V ~ 18 V           Current - Supply         1.5µA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6 Thin, TSOT-23-6           Supplier Device Package         TSOT-23-6   |                              |                           |
|--|------------------------------|---------------------------|
| Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         SOT-23-6 Thin, TSOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         5mA           Tolerance         ±0.1%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30ppmp-p           Noise - 10Hz to 10kHz         140µVrms           Voltage - Input         5.5 V ~ 18 V           Current - Supply         1.5µA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6 Thin, TSOT-23-6           Supplier Device Package         TSOT-23-6   | Manufacturer Part Number     | LT6656BIS6-5#TRPBF        |
| PMIC - Voltage Reference           Package         SOT-23-6 Thin, TSOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         5mA           Tolerance         ±0.1%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30ppmp-p           Noise - 10Hz to 10kHz         140μVrms           Voltage - Input         5.5 V ~ 18 V           Current - Supply         1.5μA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6 Thin, TSOT-23-6           Supplier Device Package         TSOT-23-6  | Manufacturer                 | Linear Technology         |
| Package         SOT-23-6 Thin, TSOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         5mA           Tolerance         ±0.1%           Temperature Coefficient         20ppm/°C           Noise - 0.1Hz to 10Hz         30ppmp-p           Noise - 10Hz to 10kHz         140µVrms           Voltage - Input         5.5 V ~ 18 V           Current - Supply         1.5µA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6 Thin, TSOT-23-6           Supplier Device Package         TSOT-23-6   | Category                     | Integrated Circuits (ICs) |
| Series-Reference TypeSeriesOutput TypeFixedVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output5mATolerance±0.1%Temperature Coefficient20ppm/°CNoise - 0.1Hz to 10Hz30ppmp-pNoise - 10Hz to 10kHz140μVrmsVoltage - Input5.5 V ~ 18 VCurrent - Supply1.5μACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6   |                              | PMIC - Voltage Reference  |
| Reference Type  Output Type  Fixed  Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  Tolerance  ±0.1%  Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 0.1Hz to 10kHz  Voltage - Input  Current - Supply  Current - Supply  Current - Cathode  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  Fixed  Sv  Fixed  Fixed  Fixed  Fixed  Sv  A   Series  Series  Series  Series  Series  Fixed  Fixed  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Sup  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Fixed  Sup  Fixed  Sup  Fixed  Fix | Package                      | SOT-23-6 Thin, TSOT-23-6  |
| Output TypeFixedVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output5mATolerance±0.1%Temperature Coefficient20ppm/°CNoise - 0.1Hz to 10Hz30ppmp-pNoise - 10Hz to 10kHz140μVrmsVoltage - Input5.5 V ~ 18 VCurrent - Supply1.5μACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6  | Series                       | -                         |
| Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  5mA  Tolerance  ±0.1%  Temperature Coefficient  20ppm/°C  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input  5.5 V ~ 18 V  Current - Supply  1.5μA  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  TSOT-23-6  | Reference Type               | Series                    |
| Voltage - Output (Max)-Current - Output5mATolerance±0.1%Temperature Coefficient20ppm/°CNoise - 0.1Hz to 10Hz30ppmp-pNoise - 10Hz to 10kHz140μVrmsVoltage - Input5.5 V ~ 18 VCurrent - Supply1.5μACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6  | Output Type                  | Fixed                     |
| Current - Output $5mA$ Tolerance $\pm 0.1\%$ Temperature Coefficient $20ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $30ppmp-p$ Noise - $10Hz$ to $10kHz$ $140\mu Vrms$ Voltage - Input $5.5 \text{ V} \sim 18 \text{ V}$ Current - Supply $1.5\mu A$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6   | Voltage - Output (Min/Fixed) | 5V                        |
| Tolerance ±0.1%  Temperature Coefficient 20ppm/°C  Noise - 0.1Hz to 10Hz 30ppmp-p  Noise - 10Hz to 10kHz 140μVrms  Voltage - Input 5.5 V ~ 18 V  Current - Supply 1.5μA  Current - Cathode -  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case SOT-23-6 Thin, TSOT-23-6  Supplier Device Package   | Voltage - Output (Max)       | -                         |
| Temperature Coefficient  20ppm/°C  Noise - 0.1Hz to 10Hz  30ppmp-p  Noise - 10Hz to 10kHz  140μVrms  Voltage - Input  5.5 V ~ 18 V  Current - Supply  1.5μA  Current - Cathode  - Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  SOT-23-6 Thin, TSOT-23-6  Supplier Device Package  | Current - Output             | 5mA                       |
| Noise - 0.1Hz to 10Hz 30ppmp-p  Noise - 10Hz to 10kHz 140 $\mu$ Vrms  Voltage - Input 5.5 V ~ 18 V  Current - Supply 1.5 $\mu$ A  Current - Cathode -  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case SOT-23-6 Thin, TSOT-23-6  Supplier Device Package TSOT-23-6  | Tolerance                    | ±0.1%                     |
| Noise - 10Hz to 10kHz  | Temperature Coefficient      | 20ppm/°C                  |
| Voltage - Input $5.5 \text{ V} \sim 18 \text{ V}$ Current - Supply $1.5 \mu A$ Current - Cathode - Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA) Mounting Type Surface Mount Package / Case SOT-23-6 Thin, TSOT-23-6 Supplier Device Package  | Noise - 0.1Hz to 10Hz        | 30рртр-р                  |
| Current - Supply  1.5μA  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  SOT-23-6 Thin, TSOT-23-6  Supplier Device Package  | Noise - 10Hz to 10kHz        | $140\mu Vrms$             |
| Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  SOT-23-6 Thin, TSOT-23-6  Supplier Device Package  TSOT-23-6  | Voltage - Input              | 5.5 V ~ 18 V              |
| Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6 Thin, TSOT-23-6Supplier Device PackageTSOT-23-6   | Current - Supply             | 1.5μΑ                     |
| Mounting Type Surface Mount Package / Case SOT-23-6 Thin, TSOT-23-6 Supplier Device Package TSOT-23-6  | Current - Cathode            | -                         |
| Package / Case SOT-23-6 Thin, TSOT-23-6 Supplier Device Package TSOT-23-6  | Operating Temperature        | -40°C ~ 85°C (TA)         |
| Supplier Device Package TSOT-23-6  | Mounting Type                | Surface Mount             |
|  | Package / Case               | SOT-23-6 Thin, TSOT-23-6  |
| Report errors?   | Supplier Device Package      | TSOT-23-6                 |
|  |                              | Report errors?            |

#### LT6656BIS6-5#TRPBF 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.

### LT6656BIS6-5#TRPBF Payment Methods





















## LT6656BIS6-5#TRPBF Shipping Methods













If you have any question about LT6656BIS6-5#TRPBF, please do not hesitate to contact us!

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