



#### **AD581TH Information**



For Reference Only

Part Number AD581TH

Manufacturer Analog Devices Inc.

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description**IC VREF SERIES 10V TO5-3**Package**TO-205AA, TO-5-3 Metal Can

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.









## **AD581TH Specifications**

Manufacturer Part Number         AD581TH           Manufacturer         Analog Devices Inc.           Category         Integrated Circuits (ICs)           Package         TO-205AA, TO-5-3 Metal Can           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         10V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.1%           Temperature Coefficient         15ppm/°C           Noise - 0.1Hz to 10Hz         40μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         13 V ~ 30 V           Current - Supply         1mA           Current - Cathode         -           Operating Temperature         -55°C ~ 125°C (TA)           Mounting Type         Through Hole           Package / Case         TO-205AA, TO-5-3 Metal Can           Supplier Device Package         TO-5-3		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-205AA, TO-5-3 Metal Can           Series         -           Output Type         Series           Output (Min/Fixed)         10V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.1%           Temperature Coefficient         15ppm/°C           Noise - 0.1Hz to 10Hz         40µVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         13 V ~ 30 V           Current - Supply         1mA           Current - Cathode         -           Operating Temperature         -55°C ~ 125°C (TA)           Mounting Type         Through Hole           Package / Case         TO-205AA, TO-5-3 Metal Can           Supplier Device Package         TO-5-3	Manufacturer Part Number	AD581TH
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Reference TypeSeriesOutput TypeFixedVoltage - Output (Min/Fixed)10VVoltage - Output (Max)-Current - Output10mATolerance±0.1%Temperature Coefficient15ppm/°CNoise - 0.1Hz to 10Hz40μVp-pNoise - 10Hz to 10kHz-Voltage - Input13 V ~ 30 VCurrent - SupplyImACurrent - Cathode-Operating Temperature-55°C ~ 125°C (TA)Mounting TypeThrough HolePackage / CaseTO-205AA, TO-5-3 Metal CanSupplier Device PackageTO-5-3	Package	TO-205AA, TO-5-3 Metal Can
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Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  10mA  Tolerance ±0.1%  Temperature Coefficient 15ppm/°C  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input 13 V ~ 30 V  Current - Supply  1mA  Current - Cathode 0perating Temperature 0perating Temperature 1-55°C ~ 125°C (TA)  Mounting Type Through Hole Package / Case TO-205AA, TO-5-3 Metal Can  Supplier Device Package	Reference Type	Series
Voltage - Output (Max)  Current - Output  10mA  Tolerance  ±0.1%  Temperature Coefficient  15ppm/°C  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  - Voltage - Input  13 V ~ 30 V  Current - Supply  1mA  Current - Cathode  Operating Temperature  -55°C ~ 125°C (TA)  Mounting Type  Through Hole  Package / Case  TO-205AA, TO-5-3 Metal Can  Supplier Device Package	Output Type	Fixed
Current - Output       10mA         Tolerance       ±0.1%         Temperature Coefficient       15ppm/°C         Noise - 0.1Hz to 10Hz       40μVp-p         Noise - 10Hz to 10kHz       -         Voltage - Input       13 V ~ 30 V         Current - Supply       1mA         Current - Cathode       -         Operating Temperature       -55°C ~ 125°C (TA)         Mounting Type       Through Hole         Package / Case       TO-205AA, TO-5-3 Metal Can         Supplier Device Package       TO-5-3	Voltage - Output (Min/Fixed)	10V
Tolerance $\pm 0.1\%$ Temperature Coefficient $15ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $40\mu Vp-p$ Noise - $10Hz$ to $10kHz$ - $20kHz$ - $20kHz$ Noise - $20kHz$ N	Voltage - Output (Max)	-
Temperature Coefficient  Noise - 0.1Hz to 10Hz  40μVp-p  Noise - 10Hz to 10kHz  - Voltage - Input  13 V ~ 30 V  Current - Supply  1mA  Current - Cathode  Operating Temperature  -55°C ~ 125°C (TA)  Mounting Type  Through Hole  Package / Case  TO-205AA, TO-5-3 Metal Can  Supplier Device Package	Current - Output	10mA
Noise - 0.1Hz to 10Hz $40\mu Vp-p$ Noise - 10Hz to 10kHz $-$ Voltage - Input $13\ V \sim 30\ V$ Current - Supply $1mA$ Current - Cathode $-$ Operating Temperature $-55^{\circ}C \sim 125^{\circ}C\ (TA)$ Mounting Type $Through\ Hole$ Package / Case $TO-205AA,\ TO-5-3\ Metal\ Can$ Supplier Device Package	Tolerance	±0.1%
Noise - 10Hz to 10kHz -  Voltage - Input 13 V ~ 30 V  Current - Supply 1mA  Current - Cathode -  Operating Temperature -55°C ~ 125°C (TA)  Mounting Type Through Hole  Package / Case TO-205AA, TO-5-3 Metal Can  Supplier Device Package TO-5-3	Temperature Coefficient	15ppm/°C
Voltage - Input  Current - Supply  ImA  Current - Cathode  Operating Temperature  -55°C ~ 125°C (TA)  Mounting Type  Through Hole  Package / Case  TO-205AA, TO-5-3 Metal Can  Supplier Device Package	Noise - 0.1Hz to 10Hz	$40\mu Vp-p$
Current - Supply 1mA  Current - Cathode Operating Temperature55°C ~ 125°C (TA)  Mounting Type Through Hole  Package / Case TO-205AA, TO-5-3 Metal Can  Supplier Device Package TO-5-3	Noise - 10Hz to 10kHz	-
Current - Cathode - Operating Temperature -55°C ~ 125°C (TA) Mounting Type Through Hole Package / Case TO-205AA, TO-5-3 Metal Can Supplier Device Package TO-5-3	Voltage - Input	13 V ~ 30 V
Operating Temperature  -55°C ~ 125°C (TA)  Mounting Type  Through Hole  Package / Case  TO-205AA, TO-5-3 Metal Can  Supplier Device Package  TO-5-3	Current - Supply	1mA
Mounting Type Through Hole Package / Case TO-205AA, TO-5-3 Metal Can Supplier Device Package TO-5-3	Current - Cathode	-
Package / Case TO-205AA, TO-5-3 Metal Can Supplier Device Package TO-5-3	Operating Temperature	-55°C ~ 125°C (TA)
Supplier Device Package TO-5-3	Mounting Type	Through Hole
	Package / Case	TO-205AA, TO-5-3 Metal Can
Report errors?	Supplier Device Package	TO-5-3
		Report errors?

### **AD581TH 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.

### **AD581TH Payment Methods**





















### **AD581TH Shipping Methods**













If you have any question about AD581TH, please do not hesitate to contact us!

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