



### X60003BIG3Z-50T1 Information



Part Number X60003BIG3Z-50T1

Manufacturer Renesas Electronics America

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

Description IC VPEE SEPIES 5V SOCTA

**Description**IC VREF SERIES 5V SOT23-3**Package**TO-236-3, SC-59, SOT-23-3

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**

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# X60003BIG3Z-50T1 Specifications

Manufacturer Part Number         X60003BIG3Z-50TI           Manufacturer         Renesas Electronics America           Category         Integrated Circuits (ICs)           Package         TO-236-3, SC-59, SOT-23-3           Series         FGATM           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.02%           Temperature Coefficient         10ppm/°C           Noise - 0.1Hz to 10Hz         30µVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         5.1 V ~ 9 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-236-3, SC-59, SOT-23-3           Series         FGA <sup>TM</sup> Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.02%           Temperature Coefficient         10ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         5.1 V ~ 9 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Manufacturer Part Number	X60003BIG3Z-50T1
Package         TO-236-3, SC-59, SOT-23-3           Series         FGA™           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.02%           Temperature Coefficient         10ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         5.1 V ~ 9 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Manufacturer	Renesas Electronics America
Package         TO-236-3, SC-59, SOT-23-3           Series         FGATM           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.02%           Temperature Coefficient         10ppm/°C           Noise - 0.1Hz to 10Hz         30μVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         5.1 V ~ 9 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Category	Integrated Circuits (ICs)
Series         FGA™           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.02%           Temperature Coefficient         10ppm/°C           Noise - 0.1Hz to 10Hz         30µVp-p           Noise - 10Hz to 10kHz         -           Voltage - Input         5.1 V ~ 9 V           Current - Supply         900nA           Current - Cathode         -           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3		PMIC - Voltage Reference
Reference TypeSeriesOutput TypeFixedVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output10mATolerance±0.02%Temperature Coefficient10ppm/°CNoise - 0.1Hz to 10Hz30μVp-pNoise - 10Hz to 10kHz-Voltage - Input5.1 V ~ 9 VCurrent - Supply900nACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Package	TO-236-3, SC-59, SOT-23-3
Output TypeFixedVoltage - Output (Min/Fixed)5VVoltage - Output (Max)-Current - Output10mATolerance±0.02%Temperature Coefficient10ppm/°CNoise - 0.1Hz to 10Hz30μVp-pNoise - 10Hz to 10kHz-Voltage - Input5.1 V ~ 9 VCurrent - Supply900nACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Series	FGA <sup>TM</sup>
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  10mA  Tolerance  ±0.02%  Temperature Coefficient  10ppm/°C  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input  5.1 V ~ 9 V  Current - Supply  900nA  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Reference Type	Series
Voltage - Output (Max)-Current - Output10mATolerance±0.02%Temperature Coefficient10ppm/°CNoise - 0.1Hz to 10Hz30μVp-pNoise - 10Hz to 10kHz-Voltage - Input5.1 V ~ 9 VCurrent - Supply900nACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Output Type	Fixed
Current - Output $10mA$ Tolerance $\pm 0.02\%$ Temperature Coefficient $10ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $30\mu Vp-p$ Noise - $10Hz$ to $10kHz$ -Voltage - Input $5.1 V \sim 9 V$ Current - Supply $900nA$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Voltage - Output (Min/Fixed)	5V
Tolerance $\pm 0.02\%$ Temperature Coefficient $10ppm/^{\circ}C$ Noise - 0.1Hz to 10Hz $30\mu Vp-p$ Noise - 10Hz to 10kHz  Voltage - Input $5.1 V \sim 9 V$ Current - Supply $900nA$ Current - Cathode  Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package $5000000000000000000000000000000000000$	Voltage - Output (Max)	-
Temperature Coefficient $10ppm/^{\circ}C$ Noise - 0.1Hz to 10Hz $30μVp-p$ Noise - 10Hz to 10kHz-Voltage - Input $5.1 V \sim 9 V$ Current - Supply $900nA$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Current - Output	10mA
Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input  5.1 V ~ 9 V  Current - Supply  900nA  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Tolerance	±0.02%
Noise - 10Hz to 10kHz  Voltage - Input  5.1 V ~ 9 V  Current - Supply  900nA  Current - Cathode  - Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Temperature Coefficient	10ppm/°C
Voltage - Input5.1 V ~ 9 VCurrent - Supply900nACurrent - Cathode-Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Noise - 0.1Hz to 10Hz	30μVp-p
Current - Supply 900nA  Current - Cathode - Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Noise - 10Hz to 10kHz	-
Current - Cathode - Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Voltage - Input	5.1 V ~ 9 V
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Current - Supply	900nA
Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Current - Cathode	-
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package SOT-23-3	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23-3
		Report errors?

### X60003BIG3Z-50T1 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.

### X60003BIG3Z-50T1 Payment Methods



















## X60003BIG3Z-50T1 Shipping Methods













If you have any question about X60003BIG3Z-50T1, please do not hesitate to contact us!

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