

# MIC5315-GW3YMT-TR

### MIC5315-GW3YMT-TR Information



For Reference Only

Part Number MIC5315-GW3YMT-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

**Description** IC REG LIN 1.1V/1.6V/1.8V 10TMLF

Package 10-UFDFN, 10-TMLF?

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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## MIC5315-GW3YMT-TR Specifications

| Manufacturer Part Number         MiC5315-GW3YMT-TR           Manufacturer         Microchip Technology           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         10-UFDFN, 10-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         2           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.1V/1.6V, 1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 300mA, 0.2V @ 300mA           Current - Output         300mA, 300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         12µA           PSRR         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-UFDFN, 10-TMLF?           Supplier Device Package         10-TMLF? (2x2) | *                            |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|
| Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - Linear           Package         10-UFDFN, 10-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         2           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.1V/1.6V, 1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 300mA, 0.2V @ 300mA           Current - Output         300mA, 300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         12μA           PSRR         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-UFDFN, 10-TMLF?           Supplier Device Package         10-TMLF? (2x2)                                                                                                                                  | Manufacturer Part Number     | MIC5315-GW3YMT-TR                  |
| Package         10-UFDFN, 10-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         2           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.1V/1.6V, 1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 300mA, 0.2V @ 300mA           Current - Output         300mA, 300mA           Current - Supply (Max)         12μA           PSRR         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-UFDFN, 10-TMLF?           Supplier Device Package         10-TMLF? (2x2)                                                                                                                                                                                                                                                                                 | Manufacturer                 | Microchip Technology               |
| Package         10-UFDFN, 10-TMLF?           Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         2           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.1V/1.6V, 1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 300mA, 0.2V @ 300mA           Current - Output         300mA, 300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         12μA           PSRR         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-UFDFN, 10-TMLF?           Supplier Device Package         10-TMLF? (2x2)                                                                                                                                                                                                                                                                                 | Category                     | Integrated Circuits (ICs)          |
| Series         -           Output Configuration         Positive           Output Type         Fixed           Number of Regulators         2           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.1V/1.6V, 1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 300mA, 0.2V @ 300mA           Current - Output         300mA, 300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         12µA           PSRR         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-UFDFN, 10-TMLF?           Supplier Device Package         10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                              |                              | PMIC - Voltage Regulators - Linear |
| Output ConfigurationPositiveOutput TypeFixedNumber of Regulators2Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.1V/1.6V, 1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 300mA, 0.2V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)12µAPSRR65dB ~ 40dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-UFDFN, 10-TMLF?Supplier Device Package10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Package                      | 10-UFDFN, 10-TMLF?                 |
| Output Type         Fixed           Number of Regulators         2           Voltage - Input (Max)         5.5V           Voltage - Output (Min/Fixed)         1.1V/1.6V, 1.8V           Voltage - Output (Max)         -           Voltage Dropout (Max)         0.2V @ 300mA, 0.2V @ 300mA           Current - Output         300mA, 300mA           Current - Quiescent (Iq)         -           Current - Supply (Max)         12µA           PSRR         65dB ~ 40dB (1kHz ~ 20kHz)           Control Features         Enable           Protection Features         Over Current, Over Temperature           Operating Temperature         -40°C ~ 125°C           Mounting Type         Surface Mount           Package / Case         10-UFDFN, 10-TMLF?           Supplier Device Package         10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                            | Series                       | -                                  |
| Number of Regulators       2         Voltage - Input (Max)       5.5V         Voltage - Output (Min/Fixed)       1.1V/1.6V, 1.8V         Voltage - Output (Max)       -         Voltage Dropout (Max)       0.2V @ 300mA, 0.2V @ 300mA         Current - Output       300mA, 300mA         Current - Quiescent (Iq)       -         Current - Supply (Max)       12μA         PSRR       65dB ~ 40dB (1kHz ~ 20kHz)         Control Features       Enable         Protection Features       Over Current, Over Temperature         Operating Temperature       -40°C ~ 125°C         Mounting Type       Surface Mount         Package / Case       10-UFDFN, 10-TMLF?         Supplier Device Package       10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Output Configuration         | Positive                           |
| Voltage - Input (Max)  Voltage - Output (Min/Fixed)  1.1V/1.6V, 1.8V  Voltage - Output (Max)  - Voltage Dropout (Max)  0.2V @ 300mA, 0.2V @ 300mA  Current - Output  300mA, 300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  12µA  PSRR  65dB ~ 40dB (1kHz ~ 20kHz)  Control Features  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  10-UFDFN, 10-TMLF?  Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Output Type                  | Fixed                              |
| Voltage - Output (Min/Fixed)1.1V/1.6V, 1.8VVoltage - Output (Max)-Voltage Dropout (Max)0.2V @ 300mA, 0.2V @ 300mACurrent - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)12μAPSRR65dB ~ 40dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-UFDFN, 10-TMLF?Supplier Device Package10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Number of Regulators         | 2                                  |
| Voltage - Output (Max)  Voltage Dropout (Max)  0.2V @ 300mA, 0.2V @ 300mA  Current - Output  300mA, 300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  12μA  PSRR  65dB ~ 40dB (1kHz ~ 20kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  10-UFDFN, 10-TMLF?  Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Voltage - Input (Max)        | 5.5V                               |
| Voltage Dropout (Max)  O.2V @ 300mA, 0.2V @ 300mA  Current - Output  300mA, 300mA  Current - Quiescent (Iq)  - Current - Supply (Max)  PSRR  65dB ~ 40dB (1kHz ~ 20kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  10-UFDFN, 10-TMLF?  Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Voltage - Output (Min/Fixed) | 1.1V/1.6V, 1.8V                    |
| Current - Output300mA, 300mACurrent - Quiescent (Iq)-Current - Supply (Max)12μAPSRR65dB ~ 40dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-UFDFN, 10-TMLF?Supplier Device Package10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Voltage - Output (Max)       | -                                  |
| Current - Quiescent (Iq)  Current - Supply (Max)  PSRR  65dB ~ 40dB (1kHz ~ 20kHz)  Control Features  Enable  Protection Features  Over Current, Over Temperature  Operating Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  10-UFDFN, 10-TMLF?  Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Voltage Dropout (Max)        | 0.2V @ 300mA, 0.2V @ 300mA         |
| Current - Supply (Max)12μAPSRR65dB ~ 40dB (1kHz ~ 20kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface MountPackage / Case10-UFDFN, 10-TMLF?Supplier Device Package10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Current - Output             | 300mA, 300mA                       |
| PSRR 65dB ~ 40dB (1kHz ~ 20kHz)  Control Features Enable  Protection Features Over Current, Over Temperature  Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 10-UFDFN, 10-TMLF?  Supplier Device Package 10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Current - Quiescent (Iq)     | -                                  |
| Control Features  Protection Features  Over Current, Over Temperature  -40°C ~ 125°C  Mounting Type  Surface Mount  Package / Case  10-UFDFN, 10-TMLF?  Supplier Device Package  10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Current - Supply (Max)       | 12μΑ                               |
| Protection Features Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 10-UFDFN, 10-TMLF? Supplier Device Package 10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PSRR                         | 65dB ~ 40dB (1kHz ~ 20kHz)         |
| Operating Temperature -40°C ~ 125°C  Mounting Type Surface Mount  Package / Case 10-UFDFN, 10-TMLF?  Supplier Device Package 10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Control Features             | Enable                             |
| Mounting Type Surface Mount Package / Case 10-UFDFN, 10-TMLF? Supplier Device Package 10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Protection Features          | Over Current, Over Temperature     |
| Package / Case 10-UFDFN, 10-TMLF? Supplier Device Package 10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Operating Temperature        | -40°C ~ 125°C                      |
| Supplier Device Package 10-TMLF? (2x2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mounting Type                | Surface Mount                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Package / Case               | 10-UFDFN, 10-TMLF?                 |
| Report errors?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Supplier Device Package      | 10-TMLF? (2x2)                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              | Report errors?                     |

### MIC5315-GW3YMT-TR Guarantees



#### **Ouality 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.

### MIC5315-GW3YMT-TR Payment Methods



















### MIC5315-GW3YMT-TR Shipping Methods













If you have any question about MIC5315-GW3YMT-TR, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com