



MIC5305-2.8YMT-TR Information



For Reference Only

Part Number MIC5305-2.8YMT-TR
Manufacturer Microchip Technology
Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - Linear

Description IC REG LINEAR 2.8V 150MA 6TMLF **Package** 6-UDFN Exposed Pad, 6-TMLF?

For the pricing/inventory/lead time, please contact

us

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MIC5305-2.8YMT-TR Specifications

| Manufacturer Part Number MIC5305-2.8YMT-TR Manufacturer Microchip Technology Category Integrated Circuits (ICs) Package 6-UDFN Exposed Pad, 6-TMLF? Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 150μA PSRR 85dB ~ 65dB (1kHz ~ 10kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount Package / Case 6-UDFN Exposed Pad, 6-TMLF? | | |
|--|------------------------------|------------------------------------|
| Category Integrated Circuits (ICs) PMIC - Voltage Regulators - Linear Package 6-UDFN Exposed Pad, 6-TMLF? Series - Output Configuration Positive Output Type Fixed Number of Regulators 1 Voltage - Input (Max) 5.5V Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 150µA PSRR 85dB ~ 65dB (1kHz ~ 10kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Manufacturer Part Number | MIC5305-2.8YMT-TR |
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| Package6-UDFN Exposed Pad, 6-TMLF?Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR85dB ~ 65dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount | Category | Integrated Circuits (ICs) |
| Series-Output ConfigurationPositiveOutput TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR85dB ~ 65dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount | | PMIC - Voltage Regulators - Linear |
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| Output TypeFixedNumber of Regulators1Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)2.8VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR85dB ~ 65dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount | Series | - |
| Number of Regulators1Voltage - Input (Max)5.5 VVoltage - Output (Min/Fixed)2.8 VVoltage - Output (Max)-Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR85dB ~ 65dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount | Output Configuration | Positive |
| Voltage - Input (Max) Voltage - Output (Min/Fixed) 2.8V Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 85dB ~ 65dB (1kHz ~ 10kHz) Control Features Protection Features Operating Temperature Mounting Type 5.5V 5.5V 5.5V 5.5V 5.5V 5.6V 5.6V 5.6V 6.6V 6. | Output Type | Fixed |
| Voltage - Output (Min/Fixed) Voltage - Output (Max) - Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 85dB ~ 65dB (1kHz ~ 10kHz) Control Features Protection Features Operating Temperature Operating Type 2.8V 2.8V 2.8V 2.8V 2.8V 2.8V - | Number of Regulators | 1 |
| Voltage - Output (Max) Voltage Dropout (Max) - Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) PSRR 85dB ~ 65dB (1kHz ~ 10kHz) Control Features Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Voltage - Input (Max) | 5.5V |
| Voltage Dropout (Max)-Current - Output150mACurrent - Quiescent (Iq)-Current - Supply (Max)150μAPSRR85dB ~ 65dB (1kHz ~ 10kHz)Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature-40°C ~ 125°CMounting TypeSurface Mount | Voltage - Output (Min/Fixed) | 2.8V |
| Current - Output 150mA Current - Quiescent (Iq) - Current - Supply (Max) 150 μ A PSRR 85dB ~ 65dB (1kHz ~ 10kHz) Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Voltage - Output (Max) | - |
| Current - Quiescent (Iq)-Current - Supply (Max) $150\mu A$ PSRR $85dB \sim 65dB (1kHz \sim 10kHz)$ Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting TypeSurface Mount | Voltage Dropout (Max) | - |
| Current - Supply (Max) $150\mu A$ $85dB \sim 65dB (1kHz \sim 10kHz)$ Control Features Enable Protection Features Over Current, Over Temperature $-40^{\circ}C \sim 125^{\circ}C$ Mounting Type Surface Mount | Current - Output | 150mA |
| PSRR $85 dB \sim 65 dB (1 kHz \sim 10 kHz)$ Control Features Enable Protection Features Over Current, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount | Current - Quiescent (Iq) | - |
| Control FeaturesEnableProtection FeaturesOver Current, Over TemperatureOperating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting TypeSurface Mount | Current - Supply (Max) | 150μΑ |
| Protection Features Over Current, Over Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Mounting Type Surface Mount | PSRR | 85dB ~ 65dB (1kHz ~ 10kHz) |
| Operating Temperature -40°C ~ 125°C Mounting Type Surface Mount | Control Features | Enable |
| Mounting Type Surface Mount | Protection Features | Over Current, Over Temperature |
| | Operating Temperature | -40°C ~ 125°C |
| Package / Case 6-UDFN Exposed Pad, 6-TMLF? | Mounting Type | Surface Mount |
| | Package / Case | 6-UDFN Exposed Pad, 6-TMLF? |
| Supplier Device Package 6-TMLF? (2x2) | Supplier Device Package | 6-TMLF? (2x2) |
| Report errors? | | Report errors? |

MIC5305-2.8YMT-TR 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.

MIC5305-2.8YMT-TR Payment Methods



















MIC5305-2.8YMT-TR Shipping Methods













If you have any question about MIC5305-2.8YMT-TR, please do not hesitate to contact us!

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