



# **CMLDM7120G TR Information**



For Reference Only

Part Number CMLDM7120G TR

ManufacturerCentral Semiconductor CorpCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 20V 1A SOT563

Package SOT-563, SOT-666

For the pricing/inventory/lead time, please contact

us

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# **CMLDM7120G TR Specifications**

Manufacturer Part Number         CMLDM7120G TR           Manufacturer         Central Semiconductor Corp           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         SOT-563, SOT-666           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         1.2V @ ImA           Gate Charge (Qg) (Max) @ Vgs         2.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         220pF @ 10V           Vgs (Max)         8           FET Feature         -           Power Dissipation (Max)         150mW (Ta)           Rds On (Max) @ Id, Vgs         100 mOhm @ 500mA, 4.5V           Operating Temperature         -65°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-563           Package / Case         SOT-563, SOT-666		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  SOT-563, SOT-666  Series  - FET Type  N-Channel  Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  1A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vds  1.2V @ ImA  Gate Charge (Qg) (Max) @ Vds  220pF @ 10V  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  150mW (Ta)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-563  SOT-563  SOT-666	Manufacturer Part Number	CMLDM7120G TR
Package         SOT-563, SOT-666           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         1.2V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         2.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         220pF @ 10V           Vgs (Max)         8V           FET Feature         -           Power Dissipation (Max)         150mW (Ta)           Rds On (Max) @ Id, Vgs         100 mOhm @ 500mA, 4.5V           Operating Temperature         -65°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-563           Package / Case         SOT-563, SOT-666	Manufacturer	Central Semiconductor Corp
Package         SOT-563, SOT-666           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         1.2V @ ImA           Gate Charge (Qg) (Max) @ Vgs         2.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         220pF @ 10V           Vgs (Max)         8V           FET Feature         -           Power Dissipation (Max)         150mW (Ta)           Rds On (Max) @ Id, Vgs         100 mOhm @ 500mA, 4.5V           Operating Temperature         -65°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-563           Package / Case         SOT-563, SOT-666	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         20V           Current - Continuous Drain (Id) @ 25°C         1A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         1.5V, 4V           Vgs(th) (Max) @ Id         1.2V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         2.4nC @ 4.5V           Input Capacitance (Ciss) (Max) @ Vds         220pF @ 10V           Vgs (Max)         8V           FET Feature         -           Power Dissipation (Max)         150mW (Ta)           Rds On (Max) @ Id, Vgs         100 mOhm @ 500mA, 4.5V           Operating Temperature         -65°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-563           Package / Case         SOT-563, SOT-666		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C1A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.5V, 4VVgs(th) (Max) @ Id1.2V @ 1mAGate Charge (Qg) (Max) @ Vgs2.4nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds220pF @ 10VVgs (Max)8VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs100 mOhm @ 500mA, 4.5VOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-563Package / CaseSOT-563, SOT-666	Package	SOT-563, SOT-666
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  1A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1.2V @ 1mA  Gate Charge (Qg) (Max) @ Vds  2.4nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-563, SOT-666	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  1A (Ta)  Drive Voltage (Max Rds On, Min Rds On)  1.5V, 4V  Vgs(th) (Max) @ Id  1.2V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  1.5V, 4V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-563, SOT-666	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  1.5V, 4V  Vgs(th) (Max) @ Id  1.2V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  2.4nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  1A (Ta)  1.5V, 4V  1.2V @ 1mA  1.2V @	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  1.2V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  1.5V, 4V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-563, SOT-666	Drain to Source Voltage (Vdss)	20V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  1.2V @ 1mA  2.4nC @ 4.5V  Input Capacitance (Ciss) (Max) @ Vds  220pF @ 10V  Vgs (Max)  8V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-563, SOT-666	Current - Continuous Drain (Id) @ 25°C	1A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  2.4nC @ 4.5V  220pF @ 10V  8V  100 mOhm  8V  150mW (Ta)  150mW (Ta)  100 mOhm @ 500mA, 4.5V  -65°C ~ 150°C (TJ)  Surface Mount  Supplier Device Package  SOT-563  SOT-563  SOT-563, SOT-666	Drive Voltage (Max Rds On, Min Rds On)	1.5V, 4V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  SOT-563, SOT-666	Vgs(th) (Max) @ Id	1.2V @ 1mA
Vgs (Max)8VFET Feature-Power Dissipation (Max)150mW (Ta)Rds On (Max) @ Id, Vgs100 mOhm @ 500mA, 4.5VOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-563Package / CaseSOT-563, SOT-666	Gate Charge (Qg) (Max) @ Vgs	2.4nC @ 4.5V
FET Feature - Teature - Te	Input Capacitance (Ciss) (Max) @ Vds	220pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  100 mOhm @ 500mA, 4.5V  Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  SOT-563  Package / Case  SOT-563, SOT-666	Vgs (Max)	8V
Rds On (Max) @ Id, Vgs100 mOhm @ 500mA, 4.5VOperating Temperature-65°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-563Package / CaseSOT-563, SOT-666	FET Feature	-
Operating Temperature  -65°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  SOT-563  Package / Case  SOT-563, SOT-666	Power Dissipation (Max)	150mW (Ta)
Mounting Type Surface Mount Supplier Device Package SOT-563 Package / Case SOT-563, SOT-666	Rds On (Max) @ Id, Vgs	100 mOhm @ 500mA, 4.5V
Supplier Device Package SOT-563 Package / Case SOT-563, SOT-666	Operating Temperature	-65°C ~ 150°C (TJ)
Package / Case SOT-563, SOT-666	Mounting Type	Surface Mount
	Supplier Device Package	SOT-563
Report errors?	Package / Case	SOT-563, SOT-666
		Report errors?

### **CMLDM7120G 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.

# **CMLDM7120G TR Payment Methods**



















### **CMLDM7120G TR Shipping Methods**













If you have any question about CMLDM7120G TR, please do not hesitate to contact us!

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