



### **MMUN2212LT1 Information**



For Reference Only

Part Number MMUN2212LT1
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products

Transistors - Bipolar (BJT) - Single, Pre-Biased

**Description** TRANS PREBIAS NPN 246MW 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**

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.









## **MMUN2212LT1 Specifications**

Manufacturer Part NumberMMUN2212LT1ManufacturerON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - Single, Pre-BiasedPackageTO-236-3, SC-59, SOT-23-3Series-Transistor TypeNPN - Pre-BiasedCurrent - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)50VResistor - Base (R1) (Ohms)22kResistor - Emitter Base (R2) (Ohms)22kDC Current Gain (hFE) (Min) @ Ic, Vce60 @ 5mA, 10VVce Saturation (Max) @ Ib, Ic250mV @ 300μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition-Power - Max246mWMounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	•	
Category  Discrete Semiconductor Products  Transistors - Bipolar (BJT) - Single, Pre-Biased  Package  TO-236-3, SC-59, SOT-23-3  Series  - Transistor Type  NPN - Pre-Biased  Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  60 @ 5mA, 10V  Vce Saturation (Max) @ Ib, Ic  250mV @ 300µA, 10mA  Current - Collector Cutoff (Max)  Frequency - Transition  - Power - Max  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package  SOT-23-3 (TO-236)	Manufacturer Part Number	MMUN2212LT1
Transistors - Bipolar (BJT) - Single, Pre-Biased  Package TO-236-3, SC-59, SOT-23-3  Series - Transistor Type NPN - Pre-Biased Current - Collector (Ic) (Max) Voltage - Collector Emitter Breakdown (Max) Resistor - Base (R1) (Ohms) 22k Resistor - Emitter Base (R2) (Ohms) DC Current Gain (hFE) (Min) @ Ic, Vce 60 @ 5mA, 10V Vce Saturation (Max) @ Ib, Ic 250mV @ 300μA, 10mA Current - Collector Cutoff (Max) Frequency - Transition - Power - Max Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package	Manufacturer	ON Semiconductor
Package TO-236-3, SC-59, SOT-23-3  Series - Transistor Type NPN - Pre-Biased Current - Collector (Ic) (Max) 100mA  Voltage - Collector Emitter Breakdown (Max) 50V  Resistor - Base (R1) (Ohms) 22k  Resistor - Emitter Base (R2) (Ohms) 22k  DC Current Gain (hFE) (Min) @ Ic, Vce 60 @ 5mA, 10V  Vce Saturation (Max) @ Ib, Ic 250mV @ 300µA, 10mA  Current - Collector Cutoff (Max) 500nA  Frequency - Transition -  Power - Max 246mW  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3 (TO-236)	Category	Discrete Semiconductor Products
Series - NPN - Pre-Biased Current - Collector (Ic) (Max) 100mA Voltage - Collector Emitter Breakdown (Max) 50V Resistor - Base (R1) (Ohms) 22k Resistor - Emitter Base (R2) (Ohms) 22k  DC Current Gain (hFE) (Min) @ Ic, Vce 60 @ 5mA, 10V Vce Saturation (Max) @ Ib, Ic 250mV @ 300µA, 10mA Current - Collector Cutoff (Max) 500nA Frequency - Transition - Power - Max 246mW Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3 (TO-236)		Transistors - Bipolar (BJT) - Single, Pre-Biased
Transistor Type  Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  Vce Saturation (Max) @ Ib, Ic  Current - Collector Cutoff (Max)  Frequency - Transition  Power - Max  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  NPN - Pre-Biased  100mA  100mA  50V  22k  60 @ 5mA, 10V  250mV @ 300μA, 10mA  500nA  500nA  T	Package	TO-236-3, SC-59, SOT-23-3
Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  60 @ 5mA, 10V  Vce Saturation (Max) @ Ib, Ic  Current - Collector Cutoff (Max)  Frequency - Transition  - Power - Max  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Series	-
Voltage - Collector Emitter Breakdown (Max)  Resistor - Base (R1) (Ohms)  22k  Resistor - Emitter Base (R2) (Ohms)  22k  DC Current Gain (hFE) (Min) @ Ic, Vce  60 @ 5mA, 10V  Vce Saturation (Max) @ Ib, Ic  250mV @ 300μA, 10mA  Current - Collector Cutoff (Max)  500nA  Frequency - Transition  - Power - Max  246mW  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package  SOT-23-3 (TO-236)	Transistor Type	NPN - Pre-Biased
Resistor - Base (R1) (Ohms)  Resistor - Emitter Base (R2) (Ohms)  DC Current Gain (hFE) (Min) @ Ic, Vce  60 @ 5mA, 10V  Vce Saturation (Max) @ Ib, Ic  250mV @ 300μA, 10mA  Current - Collector Cutoff (Max)  Frequency - Transition  - Power - Max  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Current - Collector (Ic) (Max)	100mA
Resistor - Emitter Base (R2) (Ohms)22kDC Current Gain (hFE) (Min) @ Ic, Vce60 @ 5mA, 10VVce Saturation (Max) @ Ib, Ic250mV @ 300μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition-Power - Max246mWMounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Voltage - Collector Emitter Breakdown (Max)	50V
DC Current Gain (hFE) (Min) @ Ic, Vce  60 @ 5mA, 10V  Vce Saturation (Max) @ Ib, Ic  250mV @ 300μA, 10mA  Current - Collector Cutoff (Max)  Frequency - Transition  -  Power - Max  246mW  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Resistor - Base (R1) (Ohms)	22k
Vce Saturation (Max) @ Ib, Ic250mV @ 300μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition-Power - Max246mWMounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3 (TO-236)	Resistor - Emitter Base (R2) (Ohms)	22k
Current - Collector Cutoff (Max)  Frequency - Transition  Power - Max  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package  SOT-23-3 (TO-236)	DC Current Gain (hFE) (Min) @ Ic, Vce	60 @ 5mA, 10V
Frequency - Transition  Power - Max  246mW  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package  SOT-23-3 (TO-236)	Vce Saturation (Max) @ Ib, Ic	250mV @ 300μA, 10mA
Power - Max  Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3 (TO-236)	Current - Collector Cutoff (Max)	500nA
Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3 (TO-236)	Frequency - Transition	-
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3 (TO-236)	Power - Max	246mW
Supplier Device Package SOT-23-3 (TO-236)	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23-3 (TO-236)
		Report errors?

#### **MMUN2212LT1 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.

# **MMUN2212LT1 Payment Methods**



















## **MMUN2212LT1 Shipping Methods**













If you have any question about MMUN2212LT1, please do not hesitate to contact us!

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