



DTC123EMT2L Information



For Reference Only

Part Number DTC123EMT2L

Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products

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

Description TRANS PREBIAS NPN 150MW VMT3

Package SOT-723

For the pricing/inventory/lead time, please contact

us

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



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DTC123EMT2L Specifications

Manufacturer Part NumberDTC123EMT2LManufacturerRohm SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - Single, Pre-BiasedPackageSOT-723Series-Transistor TypeNPN - Pre-BiasedCurrent - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)50VResistor - Base (R1) (Ohms)2.2kResistor - Emitter Base (R2) (Ohms)2.2kDC Current Gain (hFE) (Min) @ Ic, Vce20 @ 20mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 500μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max150mWMounting TypeSurface MountPackage / CaseSOT-723Supplier Device PackageVMT3	•	
Category Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single, Pre-Biased SOT-723 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 Vce Saturation (Max) @ Ib, Ic Current - Collector Cutoff (Max) Frequency - Transition Power - Max Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3	Manufacturer Part Number	DTC123EMT2L
Transistors - Bipolar (BJT) - Single, Pre-Biased SOT-723 Series - Transistor Type NPN - Pre-Biased Current - Collector (Ic) (Max) Voltage - Collector Emitter Breakdown (Max) Resistor - Base (R1) (Ohms) 2.2k Resistor - Emitter Base (R2) (Ohms) DC Current Gain (hFE) (Min) @ Ic, Vce 20 @ 20mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 500μA, 10mA Current - Collector Cutoff (Max) Frequency - Transition 250MHz Power - Max Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package	Manufacturer	Rohm Semiconductor
PackageSOT-723Series-Transistor TypeNPN - Pre-BiasedCurrent - Collector (Ic) (Max)100mAVoltage - Collector Emitter Breakdown (Max)50VResistor - Base (R1) (Ohms)2.2kResistor - Emitter Base (R2) (Ohms)2.2kDC Current Gain (hFE) (Min) @ Ic, Vce20 @ 20mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 500μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max150mWMounting TypeSurface MountPackage / CaseSOT-723Supplier Device PackageVMT3	Category	Discrete Semiconductor Products
Series - NPN - Pre-Biased Current - Collector (Ic) (Max) 100mA Voltage - Collector Emitter Breakdown (Max) 50V Resistor - Base (R1) (Ohms) 2.2k Resistor - Emitter Base (R2) (Ohms) 2.2k DC Current Gain (hFE) (Min) @ Ic, Vce 20 @ 20mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 500µA, 10mA Current - Collector Cutoff (Max) 500nA Frequency - Transition 250MHz Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3		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 2.2k 2.2k 2.2k 2.0 @ 20mA, 5V 2.0 @ 20mA, 5V 2.0 @ 20mA, 10mA 500nA 500nA Supplier Device Package VMT3	Package	SOT-723
Current - Collector (Ic) (Max) Voltage - Collector Emitter Breakdown (Max) Resistor - Base (R1) (Ohms) 2.2k Resistor - Emitter Base (R2) (Ohms) DC Current Gain (hFE) (Min) @ Ic, Vce 20 @ 20mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 500μA, 10mA Current - Collector Cutoff (Max) Frequency - Transition 250MHz Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package	Series	-
Voltage - Collector Emitter Breakdown (Max) Resistor - Base (R1) (Ohms) 2.2k Resistor - Emitter Base (R2) (Ohms) DC Current Gain (hFE) (Min) @ Ic, Vce 20 @ 20mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 500μA, 10mA Current - Collector Cutoff (Max) Frequency - Transition 250MHz Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3	Transistor Type	NPN - Pre-Biased
Resistor - Base (R1) (Ohms)2.2kResistor - Emitter Base (R2) (Ohms)2.2kDC Current Gain (hFE) (Min) @ Ic, Vce20 @ 20mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 500μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max150mWMounting TypeSurface MountPackage / CaseSOT-723Supplier Device PackageVMT3	Current - Collector (Ic) (Max)	100mA
Resistor - Emitter Base (R2) (Ohms)2.2kDC Current Gain (hFE) (Min) @ Ic, Vce20 @ 20mA, 5VVce Saturation (Max) @ Ib, Ic300mV @ 500μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max150mWMounting TypeSurface MountPackage / CaseSOT-723Supplier Device PackageVMT3	Voltage - Collector Emitter Breakdown (Max)	50V
DC Current Gain (hFE) (Min) @ Ic, Vce 20 @ 20mA, 5V Vce Saturation (Max) @ Ib, Ic 300mV @ 500μA, 10mA Current - Collector Cutoff (Max) Frequency - Transition 250MHz Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package	Resistor - Base (R1) (Ohms)	2.2k
Vce Saturation (Max) @ Ib, Ic300mV @ 500μA, 10mACurrent - Collector Cutoff (Max)500nAFrequency - Transition250MHzPower - Max150mWMounting TypeSurface MountPackage / CaseSOT-723Supplier Device PackageVMT3	Resistor - Emitter Base (R2) (Ohms)	2.2k
Current - Collector Cutoff (Max) Frequency - Transition Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3	DC Current Gain (hFE) (Min) @ Ic, Vce	20 @ 20mA, 5V
Frequency - Transition 250MHz Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3	Vce Saturation (Max) @ Ib, Ic	300mV @ 500μA, 10mA
Power - Max 150mW Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3	Current - Collector Cutoff (Max)	500nA
Mounting Type Surface Mount Package / Case SOT-723 Supplier Device Package VMT3	Frequency - Transition	250MHz
Package / Case SOT-723 Supplier Device Package VMT3	Power - Max	150mW
Supplier Device Package VMT3	Mounting Type	Surface Mount
	Package / Case	SOT-723
Report errors?	Supplier Device Package	VMT3
		Report errors?

DTC123EMT2L 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.

DTC123EMT2L Payment Methods





















DTC123EMT2L Shipping Methods













If you have any question about DTC123EMT2L, please do not hesitate to contact us!

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