

# PMBT2222AYSX

### **PMBT2222AYSX Information**



For Reference Only

Part Number	PMBT2222AYSX	
Manufacturer	Nexperia USA Inc.	
Category	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single	
Description	TRANS NPN 40V 0.6A SC-88	
Package	6-TSSOP, SC-88, SOT-363	
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com	



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# **PMBT2222AYSX Specifications**

Manufacturer Part Number PMBT2222AYSX   Manufacturer Nexperia USA Inc.   Category Discrete Semiconductor Products   Transistors - Bipolar (BJT) - Single Transistors - Bipolar (BJT) - Single   Package 6-TSSOP, SC-88, SOT-363   Series Automotive, AEC-Q101   Transistor Type NPN   Current - Collector (Ic) (Max) 600mA   Voltage - Collector Emitter Breakdown (Max) 40V   Vece Saturation (Max) @ Ib, Ic 1V @ 50mA, 500mA   Current - Collector Cutoff (Max) 10nA (ICBO)   Power - Max 250mW   Power - Max 300MHz   Operating Temperature 150°C (TJ)   Mounting Type Surface Mount   Package / Case 6-TSSOP, SC-88, SOT-363   Supplier Device Package 6-TSSOP		
CategoryDiscrete Semiconductor Products Transistors - Bipolar (BJT) - SinglePackage6-TSSOP, SC-88, SOT-363PackageAutomotive, AEC-Q101SeriesAutomotive, AEC-Q101Transistor TypeNPNCurrent - Collector (Lc) (Max)600mAVoltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, Ic10v @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP, SC-88, SOT-363	Manufacturer Part Number	PMBT2222AYSX
Transistors - Bipolar (BJT) - SinglePackage6-TSSOP, SC-88, SOT-363SeriesAutomotive, AEC-Q101Transistor TypeNPNCurrent - Collector (Ic) (Max)600mAVoltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, IcIV @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Manufacturer	Nexperia USA Inc.
Package6-TSSOP, SC-88, SOT-363SeriesAutomotive, AEC-Q101Transistor TypeNPNCurrent - Collector (Ic) (Max)600mAVoltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, IcIV @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Category	Discrete Semiconductor Products
SeriesAutomotive, AEC-Q101Transistor TypeNPNCurrent - Collector (Ic) (Max)600mAVoltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, IcIV @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating TemperatureIs0°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Deckage6-TSSOP		Transistors - Bipolar (BJT) - Single
Transistor TypeNPNCurrent - Collector (Ic) (Max)600mAVoltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, Ic1V @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Package	6-TSSOP, SC-88, SOT-363
Current - Collector (Ic) (Max)600mAVoltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, Ic1V @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Series	Automotive, AEC-Q101
Voltage - Collector Emitter Breakdown (Max)40VVce Saturation (Max) @ Ib, Ic1V @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Transistor Type	NPN
Yee Saturation (Max) @ Ib, IcIV @ 50mA, 500mACurrent - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWPower - Max300MHzOperating Temperature300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Current - Collector (Ic) (Max)	600mA
Current - Collector Cutoff (Max)10nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Voltage - Collector Emitter Breakdown (Max)	40V
DC Current Gain (hFE) (Min) @ Ic, Vce75 @ 10mA, 10VPower - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Vce Saturation (Max) @ Ib, Ic	1V @ 50mA, 500mA
Power - Max250mWFrequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Current - Collector Cutoff (Max)	10nA (ICBO)
Frequency - Transition300MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	DC Current Gain (hFE) (Min) @ Ic, Vce	75 @ 10mA, 10V
Operating Temperature150°C (TJ)Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Power - Max	250mW
Mounting TypeSurface MountPackage / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Frequency - Transition	300MHz
Package / Case6-TSSOP, SC-88, SOT-363Supplier Device Package6-TSSOP	Operating Temperature	150°C (TJ)
Supplier Device Package 6-TSSOP	Mounting Type	Surface Mount
	Package / Case	6-TSSOP, SC-88, SOT-363
Report errors?	Supplier Device Package	6-TSSOP
		Report errors?

#### **PMBT2222AYSX 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### **PMBT2222AYSX Payment Methods**



## **PMBT2222AYSX** Shipping Methods



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