Packing

2000/8/29

FC-255 No.C-9901-ASE-1 SEIKO EPSON Corp. Quartz Device Division Intolume M. hagai

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Manufacturing process chart	No.	Section In Charge	Standards	Inspection Control Item	Inspection Methods	Instruments	Record
Crystal	1	Inspection Section	Purchasing Specification	Appearance	Sampling	Visual Inspection	In-coming Inspection
Oi yatai		(INA Plant QA)	Incoming Inspection Standard	Dimension	Sampling	Tool Microscope	Data Sheet
Base,Lid	2	Production Section	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Sheet
∇	3	Production Section	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Sheet
1 In-coming 2 Crystal Setting	4	Production Section	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Sheet
Inspection	5	Production Section	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Sheet
	6	Production Section	Manufacturing Instruction Sheet	Frequency	100% Inspection	Frequency Adjust-	Data Sheet
Base Mounting			_			ment Machine	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	Production Section	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Sheet
Lid ————————————————————————————————————	,		manarada ing manadan dinas	Marking Strength	Sampling	Rubbing Test	Data Sheet
Lid Gealing	8	Production Section	Manufacturing Instruction Sheet	Frequency	100% Inspection	Characteristics In-	Process Data Sheet
(5) Hermetic Sealing		1 Todaction Section	Waliuracturing matruction offeet	Crystal Inpedance	100% Inspection	spection Machine	rocess Data Greet
Hermetic Sealing					İ		
			<u> </u>	Appearance	100% Inspection	Microscope	
6 Frequency Adjustment	9	Inspection Section	Specification	Electrical Characteristics	Sampling	Measuring Equipment	Outgoing Inspection
			Outgoing Inspection Standard	Appearance	Sampling	Microscope	Data Sheet
(7) Marking				Dimension	Sampling	Tool Microscope	
	10	Production Control	Packing Instruction	Customers			Shipment List
8 Finish Products		Section	Daily Shipping List	Туре			
Inspection & Taping		VAN COLLAR		Quantity			
							-k
9 Outgoing Inspection							
Ourgoing inspection							

Packing

2004/2/27

FC-255 No.C-9901-AAE-1 SEIKO EPSON Corp. Quartz Device Division Intaluse Attingua for

.O-9901-70AL-1			Quartz Device Division	L		17/10/190	7. Y =
Manufacturing process chart	No.	Section In Charge	Standards	Inspection Control Item	Inspection Methods	Instruments	Record
Crystal	1	Inspection Section	Purchasing Specification	Appearance	Sampling	Visual Inspection	In-coming Inspecti
Orystal		(INA Plant QA)	Incoming Inspection Standard	Dimension	Sampling	Tool Microscope	Data Sheet
Base,Lid	2	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
∇	3	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
1 In-coming 2 Crystal Setting	4	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
Inspection	5	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
	6	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Frequency	100% Inspection	Frequency Adjust-	Data Sheet
Base Mounting					Accessed to the second	ment Machine	
	7	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
Lid ————————————————————————————————————				Marking Strength	Sampling	Rubbing Test	Data Sheet
T	8	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Frequency	100% Inspection	Characteristics In-	Process Data Shee
(5) Hermetic Sealing				Crystal Inpedance	100% Inspection	spection Machine	
				Appearance	100% Inspection	Microscope	7
6 Frequency Adjustment	9	SUB-CONTRACTOR	Specification	Electrical Characteristics	Sampling	Measuring Equipment	Outgoing Inspection
			Outgoing Inspection Standard	Appearance	Sampling	Microscope	Data Sheet
7 Marking				Dimension	Sampling	Tool Microscope	
T	10	SUB-CONTRACTOR	Packing Instruction	Customers			Shipment List
8 Finish Products	1		Daily Shipping List	Туре			
Inspection & Taping				Quantity			
9 Outgoing Inspection				Guantity	-		1

Packing

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FC-255 No.C-9901-AKE-1

SEIKO EPSON Corp. Quartz Device Division



Manufacturing process chart	No.	Section In Charge	Standards	Inspection Control Item	Inspection Methods	Instruments	Record
Crystal	1	Inspection Section	Purchasing Specification	Appearance	Sampling	Visual Inspection	In-coming Inspectio
Ci ystai		(INA Plant QA)	Incoming Inspection Standard	Dimension	Sampling	Tool Microscope	Data Sheet
Base,Lid Y	2	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Sheet
∇	3	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
1 In-coming 2 Crystal Setting	4	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
Inspection	5	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
	6	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Frequency	100% Inspection	Frequency Adjust-	Data Sheet
Base 3 Mounting						ment Machine	
Ĭ	7	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
Lid ————————————————————————————————————				Marking Strength	Sampling	Rubbing Test	Data Sheet
Ţ	8	SUB-CONTRACTOR	Manufacturing Instruction Sheet	Frequency	100% Inspection	Characteristics In-	Process Data Shee
5 Hermetic Sealing				Crystal Inpedance	100% Inspection	spection Machine	
Ĭ				Appearance	100% Inspection	Microscope	
6 Frequency Adjustment	9	SUB-CONTRACTOR	Specification	Electrical Characteristics	Sampling	Measuring Equipment	Outgoing Inspection
I			Outgoing Inspection Standard	Appearance	Sampling	Microscope	Data Sheet
7 Marking				Dimension	Sampling	Tool Microscope	
Ţ	10	SUB-CONTRACTOR	Packing Instruction	Customers			Shipment List
8 Finish Products			Daily Shipping List	Туре			
Inspection & Taping							
9 Outgoing Inspection	L			Quantity			

Packing

2004/2/27

FC-255 No.C-9901-AEE-1 SEIKO EPSON Corp. Quartz Device Division fortation A Him phikockites

Inspection Section (INA Plant QA) SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR	Purchasing Specification Incoming Inspection Standard Manufacturing Instruction Sheet	Appearance Dimension Appearance Appearance Appearance Appearance Frequency	Sampling Sampling 100% Inspection 100% Inspection 100% Inspection 100% Inspection 100% Inspection	Visual Inspection Tool Microscope Microscope Microscope Microscope Microscope Frequency Adjust	In-coming Inspection Data Sheet Process Data Sheet Data Sheet
SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR	Manufacturing Instruction Sheet Manufacturing Instruction Sheet Manufacturing Instruction Sheet Manufacturing Instruction Sheet	Appearance Appearance Appearance Appearance	100% Inspection 100% Inspection 100% Inspection 100% Inspection	Microscope Microscope Microscope Microscope Frequency Adjust	Process Data Sheet Process Data Sheet Process Data Sheet Process Data Sheet
SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR	Manufacturing Instruction Sheet Manufacturing Instruction Sheet Manufacturing Instruction Sheet	Appearance Appearance Appearance	100% Inspection 100% Inspection 100% Inspection	Microscope Microscope Microscope Frequency Adjust	Process Data Sheet Process Data Sheet Process Data Sheet
SUB-CONTRACTOR SUB-CONTRACTOR SUB-CONTRACTOR	Manufacturing Instruction Sheet Manufacturing Instruction Sheet	Appearance Appearance	100% Inspection 100% Inspection	Microscope Microscope Frequency Adjust	Process Data Sheet
SUB-CONTRACTOR SUB-CONTRACTOR	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope Frequency Adjust	Process Data Shee
SUB-CONTRACTOR			· · · · · · · · · · · · · · · · · · ·	Frequency Adjust-	
	Manufacturing Instruction Sheet	Frequency	100% Inspection		Data Sheet
SUB-CONTRACTOR					
SUB-CONTRACTOR			100%	ment Machine	n n. n
	Manufacturing Instruction Sheet	Appearance	100% Inspection	Microscope	Process Data Shee
		Marking Strength	Sampling	Rubbing Test	Data Sheet
SUB-CONTRACTOR	Manufacturing Instruction Sheet	Frequency	100% Inspection	Characteristics In-	Process Data Shee
5		Crystal Inpedance	100% Inspection	spection Machine	
		Appearance	100% Inspection	Microscope	
SUB-CONTRACTOR	Specification	Electrical Characteristics	Sampling	Measuring Equipment	Outgoing Inspection
	Outgoing Inspection Standard	Appearance	Sampling	Microscope	Data Sheet
		Dimension	Sampling	Tool Microscope	
SUB-CONTRACTOR	Packing Instruction	Customers			Shipment List
	Daily Shipping List	Туре			
		Quantity			
	SUB-CONTRACTOR	SUB-CONTRACTOR Specification Outgoing Inspection Standard	SUB-CONTRACTOR Manufacturing Instruction Sheet Crystal Inpedance Appearance SUB-CONTRACTOR Specification Outgoing Inspection Standard SUB-CONTRACTOR Packing Instruction Daily Shipping List Frequency Crystal Inpedance Appearance Dimension Customers Type	SUB-CONTRACTOR Manufacturing Instruction Sheet Frequency Crystal Inpedance 100% Inspection Appearance 100% Inspection Appearance Sub-Contractor Specification Outgoing Inspection Standard Appearance Dimension Sub-Contractor Packing Instruction Daily Shipping List Frequency 100% Inspection Sampling Customers Type	SUB-CONTRACTOR Manufacturing Instruction Sheet Frequency Crystal Inpedance Appearance 100% Inspection Spection Machine Appearance 100% Inspection Microscope Sub-Contractor Specification Outgoing Inspection Standard Dimension Sub-Contractor Packing Instruction Daily Shipping List Frequency 100% Inspection Characteristics In- Spection Spection Microscope Electrical Characteristics Sampling Microscope Dimension Sampling Tool Microscope Customers Type