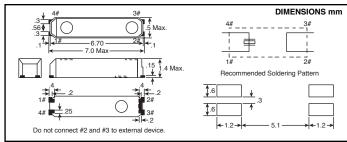
SEIKO INSTRUMENTS Tuning Fork Crystals

SSP-T7 SERIES

Seiko Instruments is an industry leader in developing miniature and thin quartz crystals using its unique photo lithographic technology. Since 1970, Seiko Instruments has produced crystals and oscillators for a variety of applications including facsimile, communications and telecommunications equipment, cellular telephones, pocket pagers, real-time clocks and electronics test and medical equipment. Outstanding reliability and miniature size with excellent shock and vibration resistance over a wide temperature range make Seiko Instruments' quartz crystals and oscillators ideal for many applications.



Specifications:

- Operating temperature range: 40°C ~ + 85°C
- Frequency tolerance: ± 20ppm
 Load capacitance: 12.5 pF
- · Equivalent series resistance:
- Drive level: 1.0µW max.
- Shunt capacitance: 0.8 pF typ.
 Aging: ± 3ppm max.
- Applications: Radio communications equipment
- Portable applications

· Ultra thin type with height 1.4mm max

SMD type suitable for automatic and high density surface mounting

Plastic mold package containing highly reliable tubular type quartz crystal
 Excellent shock and heat resistance

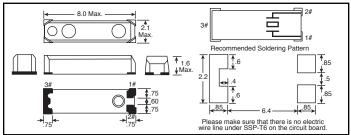
- PDA
- DVC RoHS Compliant

For quantities of 1000 and up, call for quote,

· Cell phones

MOUSER STOCK NO.	Seiko	Frequency (KHz)	Price Each				
	Part No.		1	10	100	500	
628-SSPT7-F-0368	SSP-T7F-12.5PF20PPM	32.768	1.25	1.05	.95	.90	

SSP-T6 SERIES



Specifications:

- Operating temperature range:

 40°C ~ + 85°C

 Frequency tolerance: ±20ppm
- Load capacitance: 12.5 pF
 Equivalent series resistance:
- 55kΩ max.
- Drive level: 1.0μW max.
 Shunt capacitance: 0.95 pF typ.
- · Aging: ±3ppm max.

Features:

DIMENSIONS mm

RoHS Compliant

- · SMD type suitable for automatic and high density surface mounting
- Plastic mold package incorporated tubular type quartz crystal Ultra thin type with height 1.6mm max.
- Ultra small mounting area of 16.8mm²
 Excellent shock and heat resistance

Applications:

- Pagers
- · Radio communications equipment

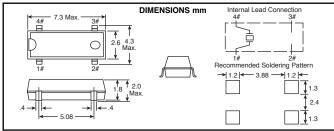
· Cell phones

Portable applications

For quantities	of 1000	and up,	call t	for quote.

MOUSER	Seiko	Frequency (KHz)	Price Each				
STOCK NO.	. Part No.		1	10	100	500	
628-SSPT6-0368	SSP-T6 32.768KHZ	32.768	1.00	.84	.76	.72	

SSP-T3 SERIES



Specifications:

- · Operating temperature range 40°C ~ + 85°C
- Frequency tolerance: +/- 20ppm
 Load capacitance: 12.5 pF
- · Equivalent series resistance 55kΩ max.
- Drive level: 1.0µW max.

◀ BACK

- Shunt capacitance: 0.9 pF typ.
 Aging: ±3ppm max.
- Features:
- Low height 2.0mm max
- Plastic mold package incorporated tubular type quartz crystal Suitable for automatic and high density surface mounting
- Excellent shock and heat resistance

Applications:

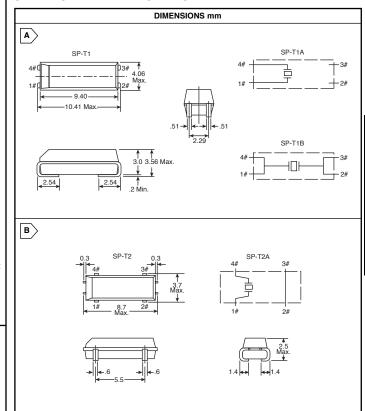
- Pagers Portable applications · Radio communications equipment
- Cell phones · Clock source for microcomputers

	For quantities of 1000 and up, call for quot							
MOUSER STOCK NO.	Seiko	Frequency (KHz)	Price Each					
	Part No.		1	10	100	500	l	
ĺ	628-SPT3A-0368	SP-T3A 32.768KHZ	32.768	.88	.74	.67	.63	l

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MOUSER

SP-T1A/SP-T1B/AP-2B SERIES



Specifications:

- Operating temperature range
- 40°C ~ + 85°C Frequency tolerance: ±20ppm
- Load capacitance: 12.5 pF
- Equivalent series resistance 50kΩ max.
- Drive level: 1.0µW max
- Shunt capacitance: 1.0 pF typ. Aging: ±5ppm max.

Features:

- Plastic mold package incorporated tubular type quartz crystal Suitable for automatic and high density surface mounting Excellent shock and heat resistance

Applications:

- · Radio communications equipment
- Pagers
- Portable applications
- Cell phones
- Clock source for microcomputers

For quantities of 1000 and up, call for quote.

Features:

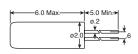
Compact tubular package

MOUSER STOCK NO.	Seiko	Fig	Fig. Lead Connection	Freq. (KHz)	Price Each			
	Part No.	ı ıg.			1	10	100	500
628-SPT1A-0368	SP-T1A 32.768KHZ	Α	SP-T1A	32.768	.80	.67	.61	.58
628-SPT1B-0368	SP-T1B 32.768KHZ	Α	SP-T1B	32.768	.80	.67	.61	.58
628-SPT2A-0368	SP-T2A 32.768KHZ	В	SP-T2A	32.768	.75	.63	.57	.54

VT-200 SERIES

Specifications:

- Operating temperature range:
- 10°C ~ + 60°C Frequency tolerance: ±20ppm
- · Load capacitance: 12.5 pF Equivalent series resistance:
- 50kΩ max. Drive level: 1 0uW max
- Shunt capacitance: 0.8 pF typ. · Aging: ±5ppm max.
- Applications:
- Radio communications equipment
- Clock source for microcomputers
- Photolithographic process
- Excellent shock resistance and environmental characteristics





DIMENSIONS mm

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Seiko	Frequency (MHz)	Price Each				
	Part No.		1	10	100	500	
628-VT200-F-0368	VT-200-F 32.768KHZ	32.768	.25	.21	.19	.18	

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