	KGHTS RESERVED. NO PORTION O	F THIS PUBLICATION.	REVISIONS				00C. NO. SPC-FD05 * Effective: 7/8/02 * DCP Noi 1398							
	IER IN WHOLE OR IN PART CAN BE REPRODUCED UT THE EXPRESS WRITTEN CONSENT OF SPC		DCP #	REV	DESCRIPTION			DRAWN	DATE	СНЕСКО	DATE	APPRVD	DATE	
TECHNOLOGY		IDLOBY.		A		RELEASED		ИL	1/07/09	MWL	1/07/09	JWM	1/07/08	
													Ro⊢ Con	IS npliant
	7.0max	1				Ν	No.	DESCR	IPTI	ON		CO	NTEN	ITS
	· · · · · · · · · · · · · · · · · · ·		$\overline{\bigcirc}$) _	Ì		1	Holder Type				J	U206	
							2	Turnover Temperature				$25^{\circ}C \pm 2^{\circ}C$		С
					3 Parabolic Curv			e Cor	Constant -0.0		-0.03	4 PPN	M /	
	- 0.2±0.05	0,71	.0,2			4	4	Operating Tem	perat	ure Ra	nge	-20°	C~ +7	0°C
							5	Storage Tempe	rature	e Rang	e	-40°	C~ +8	0°C
							6	Load Capacitar	nc e			12.5	5 pF T	yp.
Nominal	Equivalent Series	Frequency Tolerance				7	Trend Capacitance				0.0035pF Typ.		Тур.	
Frequency	Resistance	25°C±2°C	Temp. Specifie		cific		8	Shunt Capacitance				1.50pF Typ.		
32.000 KHz		±30 ppm	-			(9	Capacitance Ra	atio			40	50 Typ	p.
	50k Ω Max.		-2	:0°C ~ +	70°C	Insulation Resi		stance	<u>a</u>	50014 0 14		· ·		
							10			-		500M	ΩM	l1n.
							11	Aging (25°C±	= 3°C))		±2p	pm M	lax.
							12	Shock Resistan	ice			±2p	pm M	lax.
		1			1									
AND/OR TESTS WE	SPECIFIED,	CHECKED BY:				SIZE DWG. NO.			- / 4				LE	RE
Elieve to be accurate and reliable. Since Onditions of use are beyond our control, the Ser Shall Determine the Suitability of the product or the intended use and assume all risk and		Jeff McVicker		1/07/0	A Ta-108			2		Τa	-1082	2.dwg	A	
ALL RISK AND	PURPOSES ONLY.	APPROVED BY		DATE		SCALE: NTS U.O.M.: INCHES [mm]					=	1		
	ATKIN CONTAINED AND/OR TESTS WE SINCE CONTROL, THE OF THE PROLICT	GY SPC-FODS.DWB 7.0mdx. 7.0mdx. 7.0mdx. 0.2±0.05 0.2±0.05 0.2±0.05 0.2±0.05 0.2±0.05 32.000 KHz 50k Ω Max. 32.768 KHz 35k Ω Max. 32.768 KHz 35k Ω Max. 75.000 KHz 50k Ω Max. 75.000 KHz 50k Ω Max. 0.1 FRE PRODUCT TOLERANCES: WILESS 0THERWISE SPECIFIED, OMTROL THE ONTROL THE OF THE PRODUCT DIMENSIIDNS ARE FIDR REFERENCE	G Υ SPC-FUDB.DWB 7.0max. - 7.0max. - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.7± - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.7± - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 0.2±0.05 - 1.2±0.05 - 32.000 KHz 50k Ω Max. 32.768 KHz 35k Ω Max. 32.000 KHz 50k Ω Max. 50k Ω Max. ±30 ppm 75.000 KHz 50k Ω Max. 00TROL HE - 00TROL HE -	Nominal Equivalent Series Frequency Toleration 0.2 ± 0.05 0.7 ± 0.2 0.7 ± 0.2 Nominal Equivalent Series Frequency Toler 0.2 ± 0.05 0.7 ± 0.2	A 2022 A 3 Y spc-roosdows 2022 A 7.0max.	ALL RGHTS RESERVED. NO FORTION OF THIS PUBLICATION. WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOS. SPC-FOODLOWS $\frac{7.0 \text{ max.}}{2.22 \text{ A}}$ $\frac{7.0 \text{ max.}}{2.2 \text{ max.}}$ $\frac{7.0 \text{ max.}}{2.20 \text{ C}}$ $\frac{7.0 \text{ max.}}{2.20 \text{ max.}}$ $\frac{7.0 \text{ max.}}{2.20 $	ALL REVERS RESERVED. NO PORTION OF THE PUBLICATION. THE DEPRESS WRITTEN CONSENT OF SPECIFIC DATE: DRAWING TOLERANCES: ATION CONTAINED AMB/OR TESTS WE SINCE CONTROL THE CONTROL THE	ALL RRATE RESERVED. NO PORTION OF THE PUBLICATION. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TECHNOLOGY. TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLERANCES: TOLE	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Nominal Frequency Frequency Correspondence Frequency No. DESCRIPTion DAMMY 0.2 ± 0.05 0.2 ± 0.05 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 0.7 ± 0.2 <t< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\begin{array}{ c c c c c c c } \hline \hline$</td><td>$\frac{1}{3 \text{ Y}} = \frac{1}{202 \text{ A}} = \frac{1}{1000 \text{ K}^{-1} \text{ C}^{-1} \text{ C}^{-1$</td><td>$\frac{1}{3} = \frac{1}{3} = \frac{1}$</td></t<>	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{ c c c c c c c } \hline \hline$	$\frac{1}{3 \text{ Y}} = \frac{1}{202 \text{ A}} = \frac{1}{1000 \text{ K}^{-1} \text{ C}^{-1} \text{ C}^{-1$	$\frac{1}{3} = \frac{1}{3} = \frac{1}$



No.	DESCRIPTION	Requirements		
1	Lead Strength	Force of 0.9 kg is applied for 10 seconds to each lead in axial direction. Firmed the terminal up to 2 mm, lead shall be subjected to withstand against 90° bending its stem. This operation shall be	No mechanical damage and the measured values	
2	Lead Bending Vibration	done toward both direction. 10~55Hz 0.75mm amplitude, in 3 directions duration of 30 minutes.	shall meet electrical parameters.	
3	Dropping	The crystal will be test by natural dropping to 30mm wooden broad 3 times from high of 30 cm.	1	
4	Solder Stability	At least 95% of the terminal surface shall be coated by the solder		
5	Resistance Solder Heat	Dipped the terminals up to 2 mm into the solder bath (350 \pm 5°C) for 3 sec, placed in a natural condition for 2 hours.		
6	Thermal Shock	Temperature cycling from -20°C (30mins) to +70°C (30mins) was performed 3 times, then placed in a natural condition for 2 hours.		
7	Life Test (High Temperature)	Placed in a chamber (70 $\pm 2^{\circ}$ C) for 48 hours, then placed in a natural condition for 2 hours.	Measured values shall meet electrical parameters.	
8	Life Test (Low Temperature)	Placed in a chamber $(20 + 2^{\circ}C)$ for 48 hours then placed in a natural condition for 2 hours		
9	Humidity	Placed in a chamber (Humi: 90 ~ 95% RH, Temp: 40 \pm 2°C) for 48 hours, then placed in a natural condition for 2 hours.		

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	EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.		Α	Ta-	-1082		Ta-1082.dwg	A
s	SPC-F005.DWG	DOC, NO, SPC-FOOD * Effective: 7/8/02 * DCP No: 1388	SCALE	E: NTS	U.O.M.: Millimeters		SHEET: 2 C	JF Z