

SPECIFICATION OF MODULATED FILTER

1.	Nominal Frequency	21.600 MHz
2.	Case type	CCF-1
3.	Mode of oscillation	基頻
4.	Number of poles	2 極 (帶通)
5.	Passband width	$\geq \pm 3.75$ kHz
6.	Stopband width	$\leq \pm 15$ kHz (at 18dB)
7.	Attenuation Guaranteed	30dB min ($f_c + 750 \sim 1$ MHz) 50dB min ($f_c - 200 \sim -1$ MHz)
8.	Ripple	1.0 dB max
9.	Insertion loss	2.5 dB max
10.	Terminating Impedance	900 Ω / spf
11.	Spurious Response	
12.	Operating temperature range	$-30^\circ\text{C} \sim +70^\circ\text{C}$
Remarks:		

RADIO Shack, A DIV OF TANDY
CORP.
FCC ID: AAO01901210
EXHIBIT #: 11A

SPECIFICATION OF QUARTZ CRYSTAL

JAPAN COMMUNICATION LTD.

SPECIFICATIONS	980301			
DATE OF ISSUE	March 09.1998			
FREQUENCY	HOLDER TYPE	HC-49/T		
21.145 MHz	MODE	Fundamental		
	TEST SET	Saunders		
	LOAD CAPACITANCE	20 pF		
	DRIVE LEVEL	0.5 mW		
	OPERATING TEMP	-30 °C ~ +80 °C		
TEST ITEM	SPECIFICATIONS			
FREQUENCY TOLERANCE	+/- 20 ppm at 25°C			
FREQUENCY STABILITY	+/- 20 ppm in -30°C ~ +60°C			
EQUIVALENT RESISTANCE	Less than 20 ohm			
STATIC CAPACITANCE	Less than 7 pF			
INSULATION RESISTANCE	More than 500M ohm DC100V			
SEAL TEST	U.S. MILITARY SPECIFICATIONS, MIL-C-3098			
SHOOK TEST	U.S. MILITARY SPECIFICATIONS, MIL-C-3098			
OUTSIDE VIEW	U.S. MILITARY SPECIFICATIONS, MIL-C-3098			
SPURIOUS FREQUENCY				
MARKING	REMARKS			
	RADIO SHACK, A DIV OF TANDY CORP. FCC ID: AAO01901210 EXHIBIT #: <u>115</u> ELFA LIMITED			

SPECIFICATION OF QUARTZ CRYSTAL

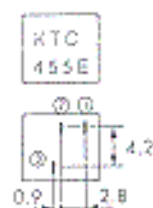
JAPAN COMMUNICATION LTD.

SPECIFICATIONS	94617	
DATE OF ISSUE	6,17,1994	
FREQUENCY	HOLDER TYPE	UM - 1
12.8 MHz	MODE	Fundamental
	TEST SET	TS-330
	LOAD CAPACITANCE	12 pF
	DRIVE LEVEL	1 mW
	OPERATING TEMP	-30 °C ~ -80 °C
TEST ITEM	SPECIFICATIONS	
FREQUENCY TOLERANCE	-/+ 5 ppm at 25°C	
FREQUENCY STABILITY	-/+ 5 ppm in -20°C ~ -60°C	
EQUVALENT RESISTANCE	Less than 35 ohm	
STATIC CAPACITANCE	Less than 7 pf	
INSULATION RESISTANCE	More than 500M ohm DC100V	
SEAL TEST	U.S. MILITARY SPECIFICATIONS, MIL-C-3098	
SHOOK TEST	U.S. MILITARY SPECIFICATIONS, MIL-C-3098	
OUTSIDE VIEW	U.S. MILITARY SPECIFICATIONS, MIL-C-3098	
SPURIOUS FREQUENCY		
MARKING	REMARKS	
JCL 12.8MHz  ELFA LIMITED RADIO SHACK A DIV. OF TANDY		

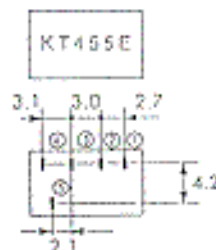
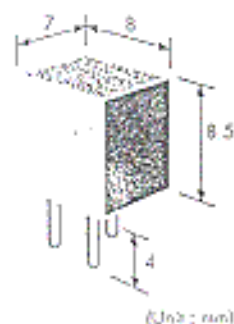
RADIOSHACK, A DIV OF TANDY
 CORP.
 FCC ID: AAO01901210
 EXHIBIT #: 11C

455□Series

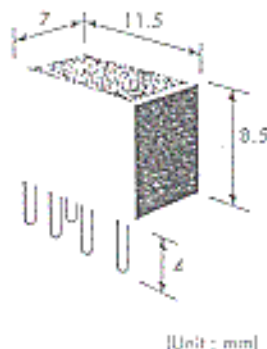
Dimension in mm (+/- 5% max.)



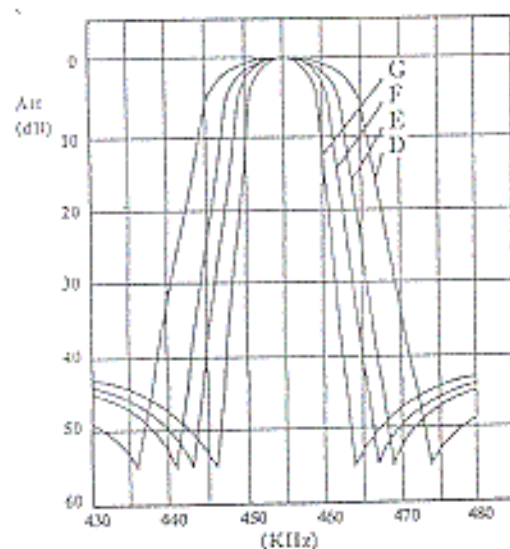
Connection
① Input
② Ground
③ Output



Connection
① Input
② Ground
③ Output

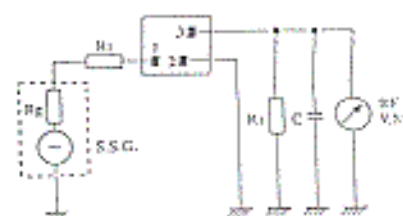
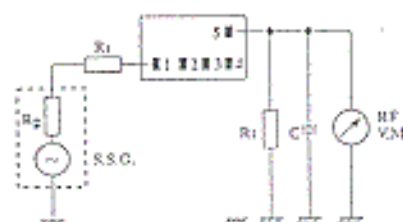


Frequency Characteristics:



Freq. accuracy @ 25°C: +/- 5%
Operating Temperature: -20 ~ +60°C

Test Set:



$R1 + R2 = R1$

Capacitor < 50 pF

Electrical Features

Stop band attenuation is specified to within 455 +/- 0.1 KHz

Attenuation band width is specified by the width of :

KTC : 40 dB and KT : 50 dB

PART NUMBER / TYPE		6 db BW (KHz) min.	Att. BW (KHz) max.	Stop Band Att. (db) min.		Insertion Loss (db) max.	In/Output Impedance (K. Ohm)
KTC	KT			KTC	KT		
KTC455B	KT455B	+/- 15	+/- 30	27	35	4	1.5
KTC455C	KT455C	+/- 12.5	+/- 24	27	35	4	1.5
KTC455D	KT455D	+/- 10	+/- 20	27	35	4	1.5
KTC455E	KT455E	+/- 7.5	+/- 15	27	35	6	1.5
KTC455F	KT455F	+/- 6	+/- 12.5	27	35	6	2
KTC455G	KT455G	+/- 4.5	+/- 10	25	35	6	2
KTC455H	KT455H	+/- 3	+/- 9	25	35	6	2
KTC455I	KT455I	+/- 2	+/- 7.5	25	35	6	2

勤增國際投資有限公司

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EXHIBIT #: 11E

