XYT14

FREQUENCY RESPONS







SPECIFICATIONS

Rased Voltage (Vp-p) Square Weve	- 12
Operating Voltage (Vit-ol)	1-20
eRand Current (mA)	()
Capacitarios al 120Hr (sP)	15000430%
◆Sound Output at 1000Hit 100H 1000	>85
◆Faconant Proguency (No)	50004500
Operating Ferrgerature (*C)	-20-=70
Storage Temperature (%)	-30-+80
Weight (s)	2

PIEZO CERAMIC TRANSDUCER DIMENSIONS UNION

XY12 SERIES





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EQUENCY RESPONSE	SPECIFICATIONS
	SPECIFICATIONS

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Tige	XVIX		
Rated Voltage (Rp.a) Square Were	15		
Operating Voltage (Y0-s)	1-30		
elfisiad Current (mA)	48		
Capactance et 120°C (pF)	18000100%		
	>90		
fasorari Frequency (NO)	56901700		
Operating Temperature (*C)	-20-+70		
Storage Temporature (°C)	-30-+60		
Westrial	1.9		

XY12C





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7ige	XY12C
Passed Voltage (Vp-p.Square More)	10
Operating Voltage (Vp-p)	1-30
Autor Current (nA)	45
Capacitance at 120Hz (pfr)	17000130%
Sound Dubut at 4801; 10cm (48)	>80
♦Resonant Frequence (Hid)	40001500
Operating Temperature (*C)	-20-+70
Strage Temperature (K2)	-30-+80
Weet (s)	2





FREQUENCY RESPONSE T CCCDD

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SPECIFICATIONS		
Tape	XY13	
Rated Voltage (Vp-p. Equate Wevt)	3	
Operating Voltage (V)-so	1+30	
●Flated Current (nN)	61	_
Coperitorice at 130Hz (pF)	12000430%	
 Gound Output at 48Hz, 10km (48) 	a 70	_
efected Frequency (NO)	48001580	_
Operating Temperature (YC)	20-160	_
Storage Temperature (*C)	-00-+79	_

XY14





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Rolled Vollage (Vp.p. Saure Wave)	
Operating Voltage (V)-c)	1-20
◆Flated Current (FA)	41
Capacitance or 129Hz (pF)	158001301
◆Sound Output at #300Hz, 10cm (dS)	>80
◆Resonant Frequency (Hz)	40001509
Operating Temperature (K)	-20-+70
Strage Temperature (*C)	-3000
Weight is	1

XY20B







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XY20C







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SPECIFICATIONS

#222g02

Type	X1200
Rated Votage (Vp.s. Square World	3
Operating Visitage (VS-p)	1-30
◆Fixted Current (HAT)	61
Capacitance (pF)	19000+30%
◆Sound Output at 2008Hz, FSon (\$\$)	>75
◆Resonant Frequency (Hz)	2000+500
Operating Temperature (*C)	20-485
Storage Temperature (*C)	30-190
Weight (g)	3

Proper applicate at mind ordinar

XY20K DIMENSIONS







Type	XY20K
Mated Voltage (Vp-s. Square Weve)	
Operating Yorkspo (York)	1-30
effered Current (HA)	41
Capacitance (pP)	16000430%
♦Sound Output at 40%, 100% 19%	>90
♦Flesonant Prequency (No.)	40004600
Operating Temperature (10)	-20-+70
Storing Temporature (C)	-30:::00

XY22







SPECIFICATIONS



FREQUENCY RESPONSE

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Type	X122
Rated Voltage (Vp-p) Square Wave	3
Operating Voltage (Vp-p)	1-90
◆Florind Current (nA)	41
Capacitance at 1291/c (pF)	18300+301
♦Sound Output at 2000Hz,15cm (dS)	>70
Resonant Frequency (No)	20004500
Operating Temperature (*C)	-20-+70
Strage Temperature (*C)	-30-+60

PIEZO CERAMIC TRANSDUCER XY22A DIMENSIONS OF THE PIEZO THE PIEZO CERAMIC TRANSDUCER TO THE PIEZ





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Tipe	XYZ2A
Places Vistage (4p-p.Square Weve)	10
Operating Voltage (Vp-pt	1-30
A Francis Current (mile)	43
Capacitance of 120Hr (pP)	19800430N
Sound Curput at 2500mir, 10mm selfs	> 60
Afficiant Consumer Met	25064800
Cassing Targersters PD	40-165
Sturage Temporature (C)	-30-190
MacCC (E)	1.6

XY23



DIMENSIONS UNITED

DECIFICATIONS





Type	X123	
Super Votage (VV-c. Square Marri)	10	
Oracutos Voltuse (NV-p)	1-30	
ARREST CAMPORTON	43	
Casacteros 129/b (sf)	240001305	
€ Sound Output #1 254894* 150% (SR)	>88	
◆Paggrum Frequency (MC)	20461500	
Operating Temperature (*C)	-20-+72	
Storage Temperature (*C)	-20-+00	



XY34 DIMENSIONS und nor





FREQUENCY RESPONSE

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SPECIFICATIONS

Type	37734
Rated Voltage (4p.p. Square Wors)	10
Operating Voltage (Vy-p)	1-30
●Flared Current (mA)	49
Capacitance (201z (pF)	40000*00%
♦Sound Output at 190-iz, 100% (dB)	>85
◆Personant Frequency (No)	1000+300
Operating Tomperature (10)	-20-+70
Storage Temperature (1C)	-30-+80
Weight (s)	4

XY35



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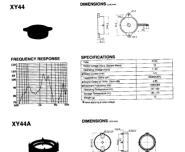
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FREQUENCY RESPONSE SPECIFICATION

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Tiple	XY38
Hoted Yorkige (15)-p. Square Wave)	93
Operating Voltage (Vp-p)	1-30
◆Rated Current (nA)	43
Capactance (20tic-(pf))	50000430%
♦Sound Culput at 1,14Hz, 15cm (#5)	>86
◆Neoral Property (H2)	1100+500
Operating Temperature (-C)	29-480
Strage Temperature (°C)	-30-+80



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DIMENSIONS Untern





FREQUENCY RESPONSE

XY44D

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Type	XY44D
Roted Voltage (Vp.o. Square Wave)	19
Operating Voltage (Nova)	1-30
●Rated Current (nA)	43
Copertance 100Hz (pF)	80000430%
edinand Output at 1894, 100m (dB)	>85
efluenait Frequency (No.)	10004000
Operating Temperature (*C)	20-+70
Stronge Temperature (*C)	30-40
Media (8)	19

XY132



DIMENSIONS





FREQUENCY RESPONSE

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1k	24	Hs	20%

SPECIFICATIONS

Tipe	EY132
Reled Vollage (Vp.q. Square Wave)	5
Operating Vollage (Np.a)	1-30
eRated Current (MA)	<3
Capacitance 1994b (µF)	300004305
eGound Output at 460040, 150m (49)	>90
eResorant Frequency (Hz)	46000000
Operating Temperature (*C)	20-160
Strage Temperature (*C)	-00-+60

* Committee of Contract









FREQUENCY RESPONSE

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SPECIFICATIONS

Egipo	XV164
Rated Voltage (Vp.p. Square Work)	ä
Operating Voltage (Vg-p)	1-30
◆Flaters Current (mik)	41
Capacitance (20tic (gF)	15880-30%
♦Sound Output of 4000mz, Hern (etb)	>78
◆Flavoriant Frequency (Ftc)	40001500
Operating flomperature (IC)	29-+60
Slowgo Temporature (10)	-30-+70

XY152







FREQUENCY RESPONSE

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SPECIFICATIONS

DIMENSIONS

Rolled Vollage (Vp-p. Square Wave)	5
Operating Voltage (Vb-c)	1-30
◆Ruted Oucent (mA)	41
Capacitance (50-tr-(pF)	150904305
◆Sound Debut of 4056Ho.10cm (ofig	>78
◆Resonant Enquercy (Hz)	40961900
Operating Temperature (C)	-20-+60
Strogs Temperature (C)	-30 -+70
Weights	1 1

XY153

DIMENSIONS UNION









Tipe	XY163
Rated Voltage (4p-p. Square Ware)	1
Operating Voltage (Vp-p)	1-30
◆Rated Current (mA)	61
Capacitance 120Hz (pff)	15000400%
◆Sound Output as 4000Hz, Horn (dS)	>76
◆Feueren Frequency (ric)	40001500
Operating Temperature PC)	-29-+60
Storage Temporature (1C)	-30-+70
Winoff (g)	

XY1130

DIMENSIONS (Intern.



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\$288602	45+02 F :75+02

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Tipe	XY1130
Rated Votage (V)-p. Square Wave)	10
Operating Voltage (49-9)	1-30
●Rided Current (nA)	4.5
Capacitance (201/2 (uF))	30000+30%
◆Sound Output at 2900Hz (files (dS)	>90
◆Passment Frequency (Hz)	2900+560
Operating Temperature (*C)	420-160
Storage Temperature (KI)	-30-+79
Westig	5

◆Value applying at raise

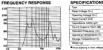
PIEZO CERAMIC TRANSDUCER DIMENSIONS UND THE XY12B TEST CIRCUIT FREQUENCY RESPONSE SPECIFICATIONS Rated Voltage (Val) Operating Voltage (Viv.) Rated Current (mA) Capacitance 120Hz (pf) Sound Output at 15cm (att Fenergei Prespercy Phil Contra postulos el pent unitare XY24B DIMENSIONS DECISIO ATIONS TEST CIRCUIT FREQUENCY RESPONSE nd Output at 18cm id8t Doesstrap Temporature PC Contract and the state of the s

PIEZO CERAMIC TRANSDUCER DIMENSIONS DATES XY24K











XY25

DIMENSIONS CHICAGO



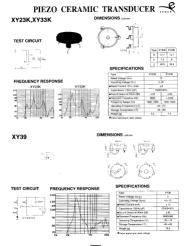


TEST CIRCUIT





Турк	XYZB
Rated Vollage (Vix)	12
Operating Voltage (Vix)	3-20
Plated Current (NA)	€30
Capacitance 190Hz (gF)	18000+30
Sound Output at 10cm (db)	>90
Resonant Frequency (Hz)	3500-50
Operating Temperature (*C)	-25-+111
Storage Temperature (*C)	-30-+111
Weight (g)	3



PIEZO CERAMIC TRANSDUCER XY44B DIMENSIONS DATES













XY1172



DIMENSIONS UND THE





TEST CIRCUIT



FREQUENCY RESPONSE



PECIFICATIONS

Rated Voltage (Vw)	12
Operating Voltage (Viv.)	3-20
#Rated Cornent (mA)	610
Capacitance (291c lpf)	180001301
Sound Oxigut at 10cm (d0)	>16
Resonant Frequency (Hz)	3600+600
Operating Temperature (*C)	-25-+60
Storage Temperature (°C)	-30-+70

PIEZO CERAMIC TRANSDUCER DIMENSIONS (below) XYE168 SPECIFICATIONS TEST CIRCUIT EDECLIENCY DESDONSE Rated Williams (Vo. Concession Voltage (Vol.) Rated Current (mA) Capacitance 1204tr (of Sound Output at 16cm (48) esti Spending Temperature (10) Storage Temperature (C) ◆Value applying at rated voltage DIMENSIONS UNITED XYF25 TEST CIRCUIT FREQUENCY RESPONSE SPECIFICATIONS e Chewcet town off estins Temperature FC

◆Vision servicion or retard orderes

SPECIFICATIONS Type Floor Video (0)

Yokage (V)	12	
drig Voltage (V)	2-10	
Current (mA)	67	< 10
Output at 10cm (cD)	>10	>85
ant Prequency (Hz)	40001500	49001430
(C) endaredment pot	-29-+79	
go Temperature (°C)	-5050	





set Frequency (Hz)	3406	we80	
ring Temperature (K)	-29-+79		
po Temperature (*C)	- 100	-80	
100		5	
CIFICATIONS			





Type	Priso
Rated Voltage (Viv.)	12
Operating Voltage (Viv.)	3-22
effeted Current (EVDC(mA)	410
Sound Output at 100cm (dft)	290
Mosonard Proguency (Hz)	3630#508
Operating Temperature (102)	-30-+65
Strage Temperature (*C)	-00-40
Weight top	





Type	F150
Faried Voltage (V)	12
Operating Voltage (V)	5-13
◆Flated Current (rsA)	475
◆Sound Output at 35cm (dRt	>100
◆Resonant Frequency (Hz)	25004900
Operating Temperature (*C)	-29 -40
Storage Temperature (*C)	-5070
Weight (s)	31



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7/pe	PYT
◆Rated Voltage (A-c)	
◆Operating Yorkage (Kx)	3-1
◆Rated current at 6VDC (mA)	61
Sound Presoure Level (6VIDC/3cm) (s8)	21
Osofiating Frequency (Hz)	2800
Operating Temperature (*C)	-20-
Storage Temperature (IC)	-00-
Weight (g)	3

COPOLEICATIONIC





Type	FY253K	
Rated Voltage (V)	15	
Operating Vollage (V)	3-16	
♦Rated Current (mA)	4.8	
♦Sound Output at 38cm (4ff)	>90	
♦/faconant Proquency (His)	3790+900	
Operating Yemperature (40)	20.460	



SPECIFICATIONS Tips

Opcrating Voltage (V)	3-29
◆Plated Current (mA)	4.8
◆Sound Curput at Stern (dB)	> 95
•Resonant Frequency (Hz)	48004500
Operating Temperature (*C)	490-170
Storage Temperature (10)	00-400
Water to	4



SPECIFICATIONS

Bated Votage (VS	12
Operating Voltage (V)	3-20
●Rated Current (InA)	<.8
◆Sound Curput at 30cm (cR)	250
•Resonant Frequency-(4st	3700+580
Operating Temperature (%)	-00-40
Storage Temperature (*C)	-30-+70
Weight (d)	5



SPECIFICATIONS





	Type	Fress.	Pf+30	т
	Mated Voltage (Viv.)		12	٨.,
_	Operating Voltage (Vivi)	3-20		74
1096	Offered Current 17/0C (not)	67	- 1	12
	◆Sound Output at 30cm salio	>90	2190	
	◆Presenant Prequency (Fg)	2000=530		-
	Operating Furnpendure (10)		-30-+90	
	Sitvage Yemperuture (*C)		-30-+70	
	Weight (g)		17	_



Type	FF350K	masaks	Pristace
Rated Voltage (Vsc)		12	
Operating Voltage (V _{II})		3-20	
●Rated Current 12VDC 9rs8		18	< 10
♦Sound Output at 30om 558	1 7	41	2.90
♦Resonant Fraquency (Hz)		26001000	
Operating Temperature (10)	-29-+60	42-485	2962
Storage Temperature (K)	-30-+70	43-465	30.420
Weight (g)	_	- 5	



DIMENSIONS :----

FY960/980





	Cardian		
have history (KCC)		15-13	615
	Van-3-2V		
	844-739		303
	War-14-09	704	903
	Buckey		
Fundamental Englands (EE)	No7 54	EVID	2560
	No. 16-04		
En and Recognitional Street	Eng-3-29		
Convenies Terresortion (10)	Operating Temperature (15)	30 40	35 196

FY380K/381K/381KP /382K/384K



DIMENSIONS



	Condition			77-0014F	EY-3624	FY-364K
Faranson Sugar, vistage (VCC, visCSC)					36-136	60-210
	VIIII-EE		419			
	287				64	
					64	
MANCOS						
	1989/W0/90 6989/W0/90					
Fundamenta Frequency Phil					2960	
	No. of F		90			
	Wards.					
Shard Pressure Lever of th						
	MANACOC					
	130VAC-DC				N E	
	200/AC/EC					65
	Meanur					
	Retort				1990	
	Kollage					
			Ph-075	12594705		211-225
Rend Pulse			# 12Y	4 277		at 12V
Country Terrority (C)		_			W 49	

FYE38 DIMENSIONS

FYE108

Operating Temperature (C) Servage Temperature (C)

DIMENSIONS Detroit



Profee against at resolution (DS):

◆Ridod Current (HAT)	<19
◆Sound Dulput at 30cm (dB)	>45
◆Resonant Frequency (Hsc)	29001500
◆Fuse Rated (Pulse Sec)	NI,
Time	SINGLE
Territol	PALTE
Operating Temperature (10)	-22-+80
Socrage Temperature (1C)	-30-+70

FYE198

,





SPECIFICATIONS

Type	19731261	19130400	109131206	13/3243
Forted Woltage (Viv.)	12	24	12	24
Operating Voltage (Vix)	6-15	16-29	6-15	16-26
Flatog Current (mA)				
♦ Sound Output at 30cm (rift)	- >	102	,	907
Resonant Frequency (Hs)	(2600-5	60E/506	1900	-3100
◆Pulse Rated (Pulse/Sec)				
Tone	75		84	SEN
Terrinal		LE	AD CA	
Operating Forsperature (FC)		20		
Storage Temperature (*C):	_	-30	+20	

FYE248

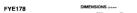






SPECIFICATIONS

Type	2453120	2455120
Rated Voltage (Vx3		12
Operating Voltage (Vix)		-20
eRated Current (mA)		C#
●Sound Output at 30em (cB)	>86	>90
Resonant Frequency (Htr)	2000×580	45001500
♦Pulse Raise (Pulse Sec)		#L
Yare	Se	KALE.
Tarring	LEA	DPN
Oceaning Temperature (10)	- 20	+60







SPI	ECII	FIC.	ATI	ONS	S

Flated Voltage (Vix)	
Operating Votage (Val)	
•Rated Current (mill)	
◆Sound Cutout as 30cm (dB)	
efferonant Frequency (Hz)	
Pulso Rated (Pulse Sec)	
Tane	
Textorial	

53129P	17791200
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(2400-24	100(4000
2-7	NR.
TWO	SPOLE
PW	LEAD
- 46	+60

FYE188

DIMENSIONS Drawn





SPECIFICATIONS

**ma power at time younge (CC)

Rated Votage (Vsc)	15	24	12	24
Operating Wolfage (No.)	6-15	16-29	6-15	10-20
◆Rated Current (mA)	< 120			
◆Sound Output at 30(m (dit)	>115		>112	
◆Passnant Frequency (No)	GR00-2500)+500		1900-3190	
◆Pulse Rated (PuburSec)	2-7		NIL.	
Tone	TWO		SPREN	
Tominal	LEAD			
Operating Temperature (*C)	20-40			
Storage Temperature (KC)	30+17			