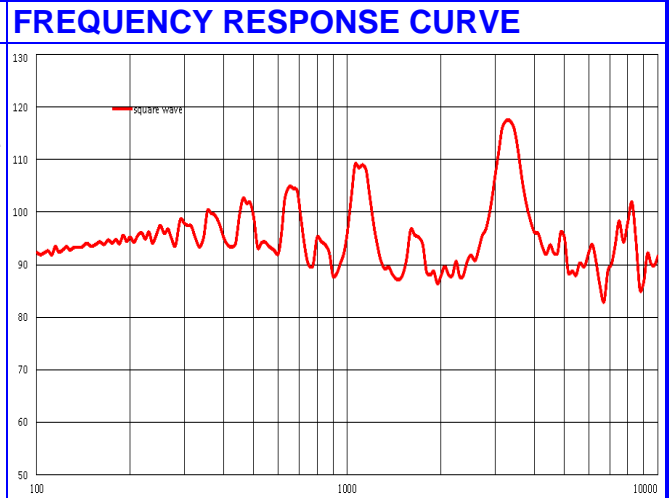
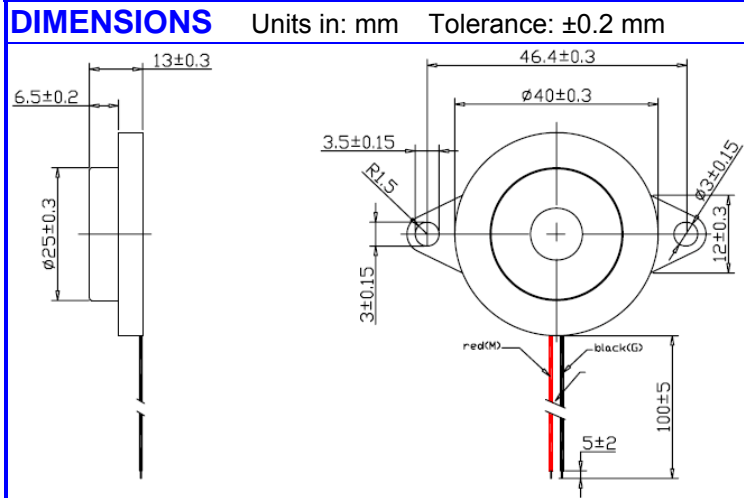


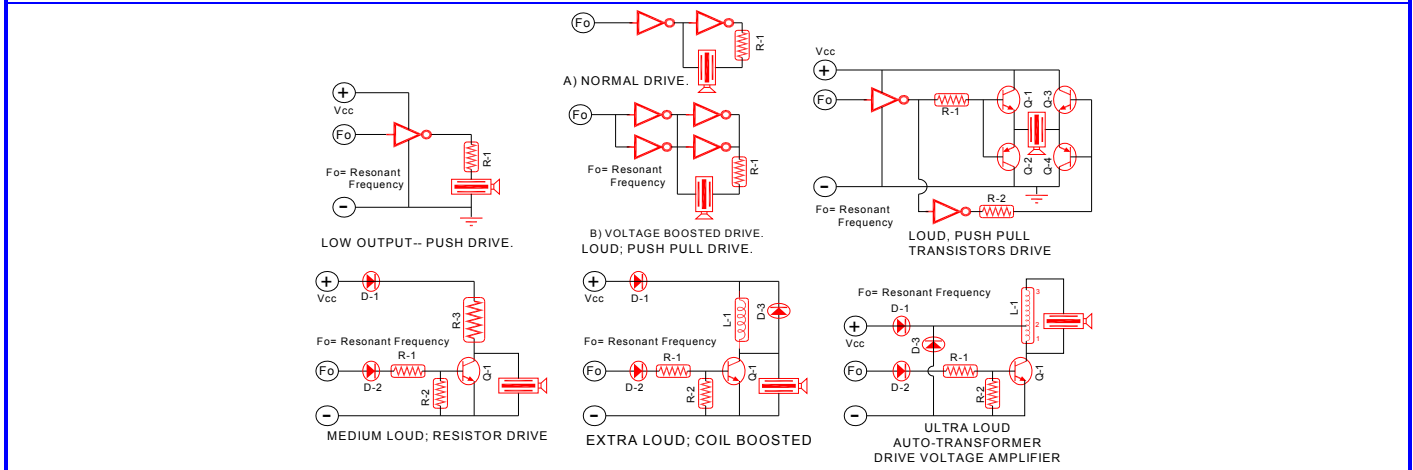


PRODUCT INFORMATION

PART #:	CEPT400I130-140-32W100R				Revision: 0-2016
	Piezoelectric Sound Transducer				
DESCRIPTION			FEATURES		
Challenge Electronics Piezoelectric Transducer; 40.0 mm Length; I style case (Round w/Flange Mount); 13.0 mm High; 1 to 40 Vp-p Operating Voltage; 3,200 Hz. Resonant Frequency; minimum Sound output of 110 dB(A) min at 10 cm at Rated Voltage; Wire w/100 mm length Termination, RoHS, Lead Free and REACH Compliance			<ul style="list-style-type: none"> ● RoHS, Lead Free Compliant ● REACH Compliant ● ISO 9001 Certified 		
SPECIFICATIONS					
Operating Voltage	1- 40 Vp-p	Nominal Rated Voltage	9 Vp-p	Resonant Frequency	3,200 ± 500Hz.
Sound Pressure Level	Minimum 110 dB(A), at: 10 cm, Resonant Frequency, Nominal rated Voltage, Square Wave 50% Duty Cycle				
Operating Current	Maximum 5 mA, at: Resonant Frequency, Nominal rated Voltage, Square Wave				
Operating Temperature	-30°C to +70 °C	Storage Temperature	-40°C to +85 °C		
Material	Housing	ABS777D or equal		Sound Port Location	Top
	Diaphragm	Stainless Steel			
	Termination	Wire UL1095 28AWG Red/Black, 100 mm length			
Physical Dimensions	Diameter (D)	40.0 mm ± 0.5 mm		Height (H)	13.0 mm ± 0.5 mm
Approximate Weight	5 grams	Removable Washing Label	No	Compliance	RoHS, Lead Free and REACH
Packaging					
RELIABILITY					
Thermal Operating Temperature Test	96 hours continuous operation at Rated Voltage, at Maximum Rated Operating Temperature *				
	96 hours continuous operation at Rated Voltage, at Minimum Rated Operating Temperature *				
Thermal Storage Temperature Test	96 hours storage at Maximum Rated Storage Temperatures *				
	96 hours storage at Minimum Rated Storage Temperatures *				
Thermal Shock Test	5 cycles of Minimum and Maximum Operating Temperature Each cycle shall be set per diagram and is 3 hours long *				
Humidity Test	140 Hours at +40°C±2°C, 90-95% RH *				
Insulation Test	A minimum of 10 MΩ, measured with 100 Vdc Insulation Resistance Meter, between the Electrical Terminals and the Transducer Case				
Vibration Test	2 Hours of at 1.5 mm with 10 to 55 Hz. vibration frequency to each of 3 perpendicular directions *				
Termination Strength	Maximum of 9.8 N (1.0 Kg) load pull test, applied to each terminal in axial direction for 10 seconds				
Drop Test	Dropped naturally from 750 mm height onto the surface of 40 mm wooden board, 3 axes (X,Y,Z) directions, 3 times (9 times total) *				
* Reliability Test Performance	Parts should conform to original performance within ±3dB, after 3 hours of recovery period				
Operation Life Test	Continuous	Two hundred fifty (250) hours of continuous operation, at Rated Voltage, each at Minimum & Maximum Rated Operating Temperatures			
	Intermittent	One thousand (1,000) hours of: 1 minute ON 4 minutes OFF cycle, at Room Temperature, and Maximum Rated Voltage			
Warranty	For a period of one (1) year from date of shipping under normal operations conditions This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair				



RECOMMENDED CIRCUIT DRIVE



SUBSTANCE OF VERY HIGH CONCERN

This product does NOT contain any of the REACH Substances of Very High Concern (SVHC), and is in compliance with European Union REACH Regulation No.1907/2006 regarding chemical substances which must be registered or disclosed.

PACKAGING

	MARKING		
	Part Number		
	Quantity	Box	
	Lot and/or Date Code	Dimensions	X cm
	Shipping Box		Y cm
	Part Number		Z cm
	Customer PN (if required)	Quantity	
	Quantity	Shipping Box	
	Lot and/or Date Code	Dimensions	X cm
	PO Number		Y cm
	Net Weight		Z cm
	Gross Weight	Number of Boxes	
	Box Number of Boxes	Quantity	
		Approximate Weight	Kg
		Made in	China
Revision	Description	By:	Date: