



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



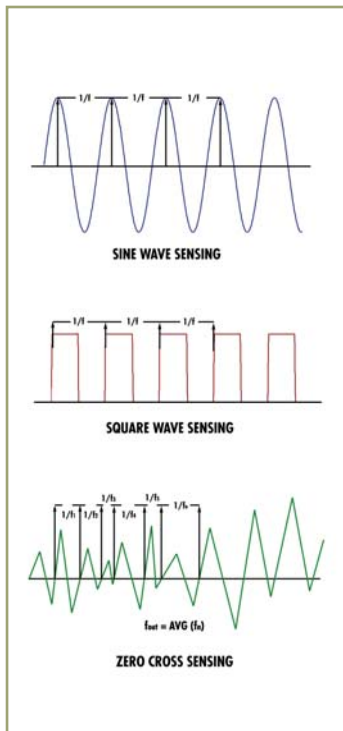
The **CR6600** Series, Frequency Transducers and Transmitters are designed to give a DC output that is proportional to an input frequency value. These devices are especially suited to variable frequency systems.



CR6610  
CR6611  
CR6612

CR6620  
CR6621  
CR6622

40 - 5000 Hz Input Range



### Applications

Outputs isolated from inputs  
Ranges available for any application  
Sine, square and zero crossover waveforms  
35 DIN rail or panel mount  
Connection diagram printed on case

### Features

35mm DIN Rail or Panel Mount  
Available with 0 - 5 VDC, 0 - 10, or 4 - 20 mADC output  
24 VDC powered  
Use with external current transformers  
Highest precision available  
Connection diagram printed on case

### Regulatory Agencies

Constructed to meet UL 61010B-1  
Constructed to meet CAN/CSA-C22.2, No. 61010-1-2004  
Meets requirement of IEC 61010-1 and BS EN 61010-1



Custom calibrations of unique full scale and zero scale values including parametric measurements are available. Contact factory for details.

Add suffix for input range

PART NUMBERS			
CR6610	-		Sine wave sensing with 0 - 5 VDC Output
CR6611	-		Square wave sensing with 0 - 5 VDC Output
CR6612	-		Zero crossover sensing with 0 - 5 VDC Output
CR6620	-		Sine wave sensing with 4 - 20 mADC Output
CR6621	-		Square wave sensing with 4 - 20 mADC Output
CR6622	-		Zero crossover sensing with 4 - 20 mADC Output

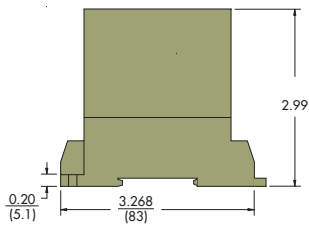
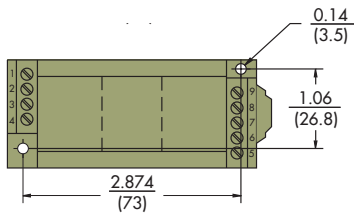
**100** - 0-100 Hz  
**500** - 0-500 Hz  
**5000** - 0-5000 Hz  
other ranges available

# Frequency Transducer

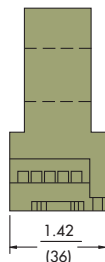
## DIN RAIL / PANEL MOUNT

### SPECIFICATIONS

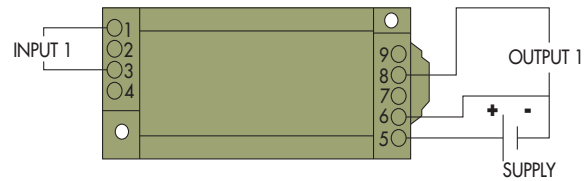
Basic Accuracy:.....	0.5%	Output Load:.....	4-20 mADC -0 to 300 Ω
Linearity:.....	10% to 100% FS		0-5 VDC - 2K Ω or Greater
Thermal Drift:.....	500 PPM/°C	Cleaning:.....	Water-dampened cloth
Operating Temperature:.....	0°C to +60°C	Relative Humidity:.....	80% for temperatures up to 31°C and decreasing linearly to 50% at 40°C
Installation Category:.....	CAT II	Input Voltage:.....	20 to 250 V Peak, (other voltage ranges available)
Vibration Tested To:.....	IEC 60068-2-6,1995	Supply Current:	
Pollution Degree:.....	2	CR6610:.....	Typical 30mA Max 40mA
Response Time: .....	250 ms max. 0-90% FS	CR6620:.....	Typical 50mA Max 95mA
Supply Voltage:.....	12 to 24 VDC	Torque Specs:.....	3.0 inch lbs. (0.4Nm)
MTBF:.....	Greater than 100 K hours	Weight:.....	0.5 lbs.
Frequency Range:.....	0 Hz - 2kHz, sine wave		
Insulation Voltage:.....	2500 VDC		
Altitude:.....	2000 meter max.		



Dimensions for All CR6600 Series (shown)



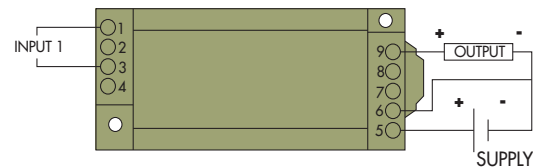
### OUTLINE DRAWING



**CR6610** 0 - 5 VDC Output

**CR6611** 0 - 5 VDC Output

**CR6612** 0 - 5 VDC Output



**CR6620** 4 - 20 mADC Output

**CR6621** 4 - 20 mADC Output

**CR6622** 4 - 20 mADC Output

### CONNECTION DIAGRAM

NOTE: The building installation must have a switch or circuit-breaker that is in close proximity and within easy reach of the operator. The switch or circuit breaker shall be marked as the disconnecting device for the equipment.