

## Synchro amplifiers

Series	Input	Accuracy	Output	Drive	Package	Description/Features
175A100	synchro/ resolver 6.8/11.8/90V 50-400Hz	±2.0'	synchro/ resolver 11.8/90V	3VA	2.62 x 3.12 x 0.8" module	Transformer isolated with short circuit and thermal cut-off protection. Integral metal cover provides required heat sinking. Operates from ±15V power.
175A400		±3.0'	synchro 11.8/90V	15VA	7.3 x 4.4 x 1.8" (60Hz) 7.3 x 4.4 x 1.5" (400Hz) bulkhead mount	Fully isolated referenced powered with short circuit and thermal cut-off protection. Designed for airborne and commercial applications.
175A300				25VA	7.4 x 5.1 x 2.6" (60Hz) 7.4 x 5.1 x 1.8" (400Hz) bulkhead mount	Reference powered with fully protected outputs. 75VA peak power with "locked rotor" protection for driving torque receiver loads. Fully isolated with Disable input and Fault output.

## Power oscillators

Series	Power Input	Frequency	Output	Drive	Package	Description/Features
210A200	±12 to ±15Vdc	0.4-5KHz	0-15V	150mA	2.0 x 2.0 x 0.4"	Resolver excitation oscillator with eight discrete frequencies. Digital amplitude & frequency control.
210A100	±15Vdc	0.4-10KHz	2.5-7.0V	5VA		2.62 x 3.12 x 0.8"
110A100			6-115V		Fix voltage and frequency power oscillator.	
110A200		10KHz	5/10/15/20V		Inductosyn oscillator.	

## Angle code converters

Series	Input	Output	Error	Convert Time	Package	Description/Features
269A100	12 bit binary	4 decade BCD	±0.125°	2.5 millisecc	2.0 x 2.0 x 0.4"	Low power binary angle to BCD converter.
269A101	15 bit binary	5 decade BCD	±0.009°	60 millisecc	2.62 x 3.12 x 0.8"	Either 0 to 360° or 0 to ±180° output.
169A107	16 bit binary		±0.01°	2.0 microsecc		High speed binary angle to BCD converter.
169A108	19 bit binary	6 decade BCD	±0.0009°	75 millisecc	2.62 x 3.12 x 0.8"	High resolution binary angle to BCD converter.
169A200	19 bit binary		±0.0003%	400 millisecc		Factory programmable scale factor.
196A102	6 decade BCD	19 bit binary	±0.0006°	600 millisecc		High resolution BCD to binary angle converter.

## LVDT/RVDT to digital converters

Series	Resolution	Accuracy	Tracking	Input	Package	Description/Features
278A300	11 bit offset binary	±0.1%	to 400LSB/ millisecc	2.5V	2.0 x 2.0 x 0.4"	Ratiometric tracking LVDT/RVDT converter with over-range output.
178A100	14 bit offset binary	±0.024%		2.5V	2.62 x 3.12 x 0.4"	High accuracy ratiometric LVDT/RVDT converter with programmable gain and built-in excitation oscillator.

## Inductosyn™ Preampifier

Series	Input	Gain	Frequency	Output	Package	Description/Features
220A100	Inductosyn slider	1300	2.5-10KHz	3V max.	2.0 x 2.0 x 0.4"	Low noise inductosyn preampifier. Use with 210A100 and 268B300 to form complete inductosyn to digital converter.

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## Synchro/resolver to linear dc converter

Series	Resolution	Accuracy	Tracking	Input	Output	Package	Description/Features
430A100	±1.3'	±6.0'	to 20rps	2.5-130V 50-5000Hz	0 to +10Vdc or 0 to ±10Vdc	2.0 x 2.5 x 0.5"	Tracking converter insensitive harmonic distortion, amplitude and frequency variations.