

Product Selection Guide

Analog-Digital-Wandler

Thaler Corporation bietet über die Firma Neumüller Elektronik GmbH drei qualitativ hochwertige Präzisions-Analog-Digital-Wandler mit Auflösungen von 16- bis 26-bit. Alle ADCs haben eine integrierte Präzisions-Spannungs-Referenz, Crystal clock und automatische Nullpunkteinstellung, $\pm 0.0002\%$ FSR integrale Nichtlinearität sowie $1.0\mu\text{V}$ Eingangsruschen.

MODEL	RESOLUTION (Bits)	DATA CONVERSION	CONVERSION RATE (msec)	TOTAL ERROR	FEATURES
ADC100	22	on demand	320	0.0005%	Base Model
ADC150	18 - 24	on demand	4 - 1067	0.0003%	Software programmable
ADC180	13 - 26	continuous	0.25 - 2048	0.0003%	No Lost Input Data When Conversion Run
ACE100	Complete evaluation system for 100 Series ADCs. Saves time and lowers development costs. ACE100 includes PCB, cables, precision references and software				

Sinuswellen-Referenz

MODEL	OUTPUT (Vrms)	INITIAL ERROR (%)	TEMP ERROR (ppm/°C)	DISTORTION (%THD)	PACKAGE	FEATURE
SWR200	7.071	0.05	2.0, 3.0	0.1	DIP14	High Rel

Power Amplifiers

MODEL	I _{OUT} (A) CONT. MAX	VSS (V) MIN	VSS(V) MAX	SLEW RATE V/s	PACKAGE	FEATURE
TPA02/02A	5	14	38	20	TO3-8	High Current
TPA012	10	20	90	4	TO3-8	High Current
TPA012A	15	20	100	4	TO3-8	High Current

Drucksensoren

MODEL	Pressure range	package
TPS31	15, 30, 60, 100psi	robust ceramic package

Präzisions-Spannungs-Referenzen

Weiterhin sind bei Neumüller Elektronik GmbH von Thaler Corporation weit mehr als 75 verschiedene hochpräzise Spannungs-Referenzen mit einer breiten Auswahl an unterschiedlichen Ausgangs-Spannungen, Temperaturbereichen, Genauigkeits-Spezifikationen und Gehäusevarianten lieferbar:

MODEL	OUTPUT (V)	INITIAL ERROR (mV)	TEMP ERROR (ppm/°C)	NOISE (µVpp)	PACKAGE	FEATURE
VRE100/101/102	+10, -10, ±10	0.5, 0.8, 1.0, 1.5	0.3, 0.5	6	DIP14	High Rel
VRE104	+4.5	0.4, 0.8	0.4, 0.8	3	DIP14	Crystal ADCs
VRE105/107	+5, ±5	0.4, 0.8	0.4, 0.8	3	DIP14	High Rel
VRE110/111/112	+2.5, -2.5, ±2.5	0.2, 0.3	0.4, 0.8	1.5	DIP14	Low Output V
VRE114/115/116	+1.5, -1.5, ±1.5	0.2, 0.3	0.5, 1.0	1	DIP14	Low Output V
VRE117/118/119	+3, -3, ±3	0.2, 0.3	0.3, 0.6	1.5	DIP14	Low Output V
VRE120/121/122	+10, -10, ±10	0.5, 0.8, 1.0, 1.5	1.3, 2.2	6	DIP14	High Temp
VRE125/127	+5, ±5	0.4, 0.8	1.7, 2.6	3	DIP14	High Temp
VRE202	+2.5	0.2, 0.3	0.4, 0.8	1.5	LCC20	Small Pkg
VRE204	+4.5	0.4, 0.8	0.4, 0.8	3	LCC20	Small Pkg
VRE205	+5.0	0.4, 0.8	0.4, 0.8	3	LCC20	Small Pkg
VRE210	+10.0	0.3, 0.4, 0.5, 0.8	0.3, 0.5	6	LCC20	Small Pkg
VRE302	+2.5	0.2, 0.4, 0.5	0.6, 1.0, 2.0	1.5	DIP8, SMT8	Low Cost
VRE3021	+2.048	0.2, 0.4, 0.5	0.6, 1.0, 2.0	1.5	DIP8, SMT8	+10V Supply
VRE3025	+2.5	0.2, 0.4, 0.5	0.6, 1.0, 2.0	1.5	DIP8, SMT8	+10V Supply
VRE302-6	+2.048	0.2, 0.4, 0.5	0.6, 1.0, 2.0	1.5	DIP8, SMT8	Low Cost
VRE303	+3.0	0.3, 0.4, 0.6	0.6, 1.0, 2.0	1.5	DIP8, SMT8	Low Cost
VRE304	+4.5	0.4, 0.7, 0.9	0.6, 1.0, 2.0	3	DIP8, SMT8	Low Cost
VRE3041	+4.096	0.4, 0.7, 0.9	0.6, 1.0, 2.0	3	DIP8, SMT8	+10V Supply
VRE304-6	+4.096	0.4, 0.7, 0.9	0.6, 1.0, 2.0	3	DIP8, SMT8	Low Cost
VRE305	+5.0	0.5, 0.8, 1.0	0.6, 1.0, 2.0	3	DIP8, SMT8	Low Cost
VRE3050	+5.0	0.4, 0.7, 0.9	0.6, 1.0, 2.0	3	DIP8, SMT8	+10V Supply
VRE306	+6.0	0.6, 1.0, 1.2	0.6, 1.0, 2.0	3	DIP8, SMT8	Low Cost
VRE310	+10.0	1.0, 1.6, 2.0	0.6, 1.0, 2.0	6	DIP8, SMT8	Low Cost
VRE402	±2.5	0.25, 0.4, 0.5	0.6, 1.0, 2.0	1.5	DIP14, SMT14	Dual, Low Cost
VRE404	±4.5	0.45, 0.7, 0.9	0.6, 1.0, 2.0	3	DIP14, SMT14	Dual, Low Cost
VRE405	±5.0	0.5, 0.8, 1.0	0.6, 1.0, 2.0	3	DIP14, SMT14	Dual, Low Cost
VRE410	±10.0	1.0, 1.6, 2.0	0.6, 1.0, 2.0	6	DIP14, SMT14	Dual, Low Cost
VRE4110	+1.024	0.51, 0.82	1.0,2.0,3.0	2.2	SOIC-8	+5V Supply
VRE4112	+1.250	0.63, 1.0	1.0,2.0,3.0	2.7	SOIC-8	+5V Supply
VRE4120	+2.048	1.0, 1.6	1.0,2.0,3.0	4.4	SOIC-8	+5V Supply
VRE4125	+2.500	1.3, 2.0	1.0,2.0,3.0	5.0	SOIC-8	+5V Supply
VRE4141	+4.096	2.0, 3.2	1.0,2.0,3.0	8.8	SOIC-8	+5V Supply