

A / D, D / A Converter

Intelligent A / D and D / A converters which are assembled by thin and thick film Hybrid IC's technologies. The high accuracy and high reliability equipment need the high accuracy digital to analog signal or analog to digital conversion.

Features

- Exclusively developed custom IC's and ROS (thin film resistors on silicon) chips are assembled.
- High reliable ceramic packages and SMD types are available.
- High speed conversion.

Recommended Applications

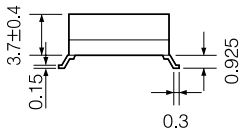
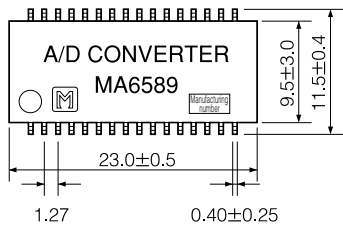
- Measurement, Controller, Robot



Representative Product Name

14 bit A / D Converter	EHK MA6590
SMD 14 bit A / D Converter	EHK MA6589
16 bit A / D Converter	EHK MA6581
16 bit D / A Converter	EHK MD6207

Dimensions in mm (not to scale)



Typical Characteristics

Ratings (MA6589)

Items		Rating
1. Resolution		14 bit
2. Non-Linearity Error		± 1 LSB
3. Conversion Time	A / D	16 μ s typ.
	D / A	350 ns
4. Supply Voltage		5 V, −15 V
5. Input / Output Code (serial)	A / D (Output Code)	● Binary ● Offset Binary
	D / A (Input Code)	● Binary ● Offset Binary
6. Input / Output Voltage	A / D (Input Voltage)	0 to 10 V (Unipolar) ± 5 V (Bipolar)
	D / A (Output Voltage)	0 to 10 V (Unipolar) ± 5 V (Bipolar)

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.
Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.