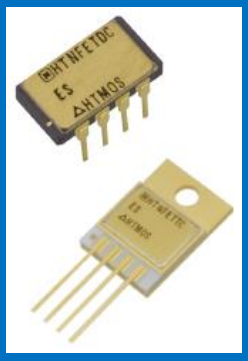
Protec GmbH
Vertrieb elektronischer Bauteile

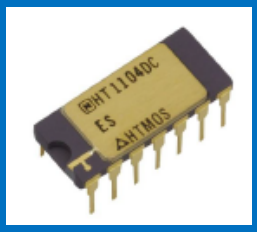
Honeywell

HIGHTEMP COMPONENTS NEWSLETTER MARCH 2015

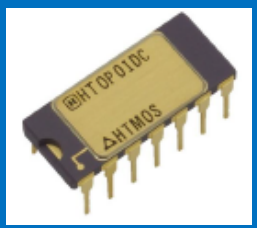
HTNFET N-channel power FET
Output Current up to 1 Amp Continuous - Typical Input Voltage up to 60V



HT1104 Op Amp
Single or Split Supply Operation - Common-Mode Input Voltage Range Includes Negative Rail - Low Input Bias and Offset Parameters – Input / Output Overload Protection - ESD Protection Circuitry



HTOP01 Op Amp
Continuous Input Offset Voltage Auto-Zeroing with Internal Clock - Low DC offset 100 µV - Low Internal Noise Voltage 1.4 µV p-p - Single +5 V Analog Supply



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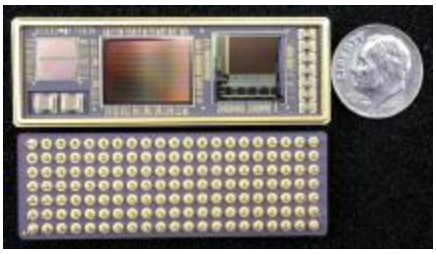
High Temperature SOI Parts from Honeywell up to 225°C

High Reliability and Performance at 225ºC – For 5 Years Continuously and excursions to 300°C. HTMOS™ Product Family is Based on Proven SOI Technology, in Production Since 1995.

Multi-Chip-Modules (MCM)



Proven capability to design and manufacture customized High Temperature Multi-Chip-Modules (MCM) provides an ultra-reliable, miniaturized package. Together, Honeywell's HTMOS products and MCM packaging enable new high temperature systems that continuously operate for over 20,000 hours at temperature. Honeywell offers High Temperature IC design/layout service.

HTEEPROM 32k x 8
Packaged 256K bit Serial (SPI) and Parallel EEPROM
Functionally equivalent to industry 28C256 EEPROM
Single +5 V analog supply

HTADC12 12bit ADC
Sampling Rate: 100k SPS
Single +5 V Analog Supply
On-Chip VREF

HT1204 Quad Analog Switch
Worst Case Leakage 500 nA at 225°C - Low Control Input Current - High Degree of Linearity - Low Crosstalk Between Switches - Latchup Free Design with Dielectric Isolation - Individual Switch Controls - CMOS Logic Levels

HTPLREG Voltage Regulators
Output Current up to 500 mA
Calibrated +15V, +12V, +10V, and +5V
Input Voltage up to 28V
1.5 mA Quiescent Current
Current Limit Short Circuit Protection

HT83C51 8-bit Micro Controller
8-bit CPU Optimized For 5 Volt Control Applications - Four 8-bit Bidirectional Parallel Ports - Three 16-bit Timer/Counters with One Up/Down Timer/Counter - Programmable Counter Array with: Capture/Compare, Software Timer with Watchdog Capability, High Speed Output, Pulse Width Modulator - Half Duplex Programmable Serial Port with: Framing Error Detection and Automatic Address Recognition - 64K External Program and Data memory Address Space - 256 Bytes Internal Data Memory - On-Chip Oscillator

HT6256 256Kbit SRAM (32K x 8)
Read/Write Cycle Times ≤ 50 ns Support 20 MHz Clock - Asynchronous Operation - CMOS Input/Output Buffers - Single 5 V ± 10% Power Supply

HT506 and HT507 Analog Multiplexer
Single 16-Channel MUX or Dual 8-Channel MUX
Break-Before-Make Switching
On Resistance 400Ω at 225°C
8-Channel Leakage 1.2°A at 225°C
Split and Single Supply Capability