

## IHS CAPS Universe

**Comprehensive, current electronic component and supplier data to advance part selection and sourcing decisions**

Developing products that meet time-to-market, manufacturability, reliability, profitability and sustainment goals is more challenging than ever. Today, continuously changing technology, global supply chain and economic uncertainties, concern for the environment and extended life cycles are causing unprecedented component selection challenges. Identifying the right components and supply chain partners, while avoiding obsolescence, compliance and counterfeit risks can make the difference between success and failure.

CAPS Universe enables engineering and sourcing professionals to identify the best components for their products with access to tens of millions of board-level components in multiple categories from leading manufacturers worldwide. From detailed technical attributes and documentation to lead-free alternates, lifecycle forecasts, and current availability and pricing data, CAPS Universe provides enterprise-wide access to a continually updated information resource that manufacturers can rely on to improve decisions.



## Manage Components and Suppliers to Build a Competitive Advantage

Finding the right parts and suppliers is critical to product development, manufacturing and sustainment. Making the best decision at every step requires current, accurate information – from the latest technical and pricing data to obsolescence and compliance risks that may affect the availability of critical parts over a product's service life. CAPS Universe provides enterprise-wide access to detailed component and supplier information in a searchable, consistent format that enables users to:

- Search and compare manufacturer's parts side-by-side
- Download datasheets, product change and end-of-life notices (PCN and EOL) and environmental compliance documents from a single source
- Identify lead-free replacements from the original or alternate manufacturers
- Find replacements based on lifecycle and years to end of life forecasts
- Monitor high-risk and suspected counterfeit part alerts
- View current pricing and availability data in distributor's quotation and ordering systems
- Identify aftermarket suppliers for discontinued parts

## Single-Point Access to the Information You Need to Design, Source and Sustain Your Products

Daily updates to CAPS Universe provide current, comprehensive, consistent and accurate information, including:

- Tens of millions of board-level components from over 1300 worldwide manufacturers with 500+ regularly updated and current
- 400+ Categories:
  - Integrated circuits
  - Frequency control devices
  - Optoelectronics
  - RF / Microwave
  - Fiber optic devices
  - Inductors
  - Resistors
  - Capacitors
  - Electromechanical devices
  - Connectors
- Normalized attributes and units for powerful parametric searching and cross-referencing across manufacturers
- Commercial and military parts
- Historical coverage of legacy parts
- Documentation
  - Datasheets (current and historical)
  - Application notes and timing diagrams
  - Product Change Notices
  - End of Life Notices
  - Full Material Disclosure data sheets

Search by part number, keyword or category and parametrics and filter the results to find the right part in less time.

| Attributes                       |
|----------------------------------|
| Part Description                 |
| Manufacturer Part Description    |
| Manufacturer Package Description |
| CAGE Code                        |
| RoHS Compliant                   |
| China RoHS Compliant             |
| Lead Free                        |

View technical attributes and manufacturing data, datasheets, lifecycle forecasts, change notices, hazardous material content and compliance documents without searching multiple databases.

| Lifecycle                     |
|-------------------------------|
| Attributes                    |
| Part Number                   |
| Mfr Name                      |
| Life Cycle Stage              |
| Life Cycle Code               |
| Availability(YTEOL)           |
| Estimated YTEOL               |
| Alert/Prediction Date         |
| Life Cycle Information Source |

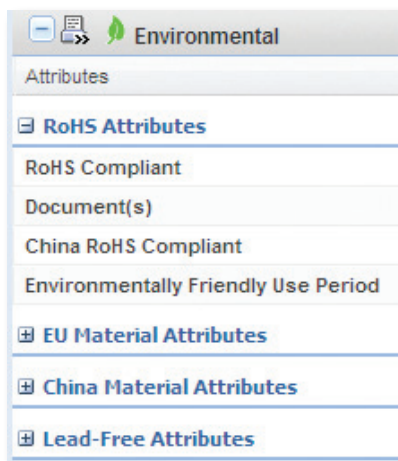
Continue your search with direct access to the leading electronics distributors for the latest pricing and availability information.

| Distributors                  |                   |                   |       |          |              |              |                    |
|-------------------------------|-------------------|-------------------|-------|----------|--------------|--------------|--------------------|
| Industry Avg Price (\$): 3.15 |                   |                   |       |          |              |              |                    |
| Source                        | Quantity in Stock | Lead Time (Weeks) | Price | Currency | Quantity-Min | Quantity-Max | Quantity-Multiples |
| Source 1                      | 300               |                   | 4.24  | USD      | 1            | 49           | 1                  |
| Source 2                      |                   | 7                 | 1.93  | USD      | 300          |              | 100                |
| Source 3                      | 0                 | 11                | 3.29  | USD      |              |              |                    |

## Manage Obsolescence Risks

Identify at-risk components with the supplier's part status, end of life and change notices and IHS proprietary life cycle stage and years to end of life forecasts. CAPS Universe includes the information you need to avoid shortages or quickly find alternates for at-risk parts and suppliers.

- **Obsolescence and Component Life Cycle data**
  - Part Status
  - Current Life Cycle Stage
  - Years to End Of Life Forecast
  - Last Time Buy date
- **Cross-References**
  - Form-Fit-Function drop-in replacements
  - Functional equivalents
  - Equivalent, Upgrade and Downgrade alternates
  - Aftermarket manufacturer replacements



RoHS and REACH data and documents to identify environmental regulation compliance risks.

Cross-references and alternates to easily compare parts side-by-side with highlighted differences between the original and alternate parts.

Part Number : Paper Capacitor ▶ Alternates [ PME264NB4100MR30 : Kemet ] ▶ Compare : Paper Capacitor

| Attributes                       | PME264NB4100MR06 : Kemet  | PME264NB4100MR30 : Kemet                                  |
|----------------------------------|---|---|
| Part Number                      | PME264NB4100MR06  | PME264NB4100MR30  |
| Mfr Name                         | Kemet   | Kemet   |
| PS                               | A   | A   |
| Part Description                 | CAPACITOR, METALLIZED PAPER, 1500 V, 0.001 uF, THROUGH HOLE MOUNT | CAPACITOR, METALLIZED PAPER, 0.001 uF, THROUGH HOLE MOUNT |
| Manufacturer Part Description    | EMI SUPPRESSOR, CLASS X2 METALLIZED PAPER CAPACITOR               | EMI SUPPRESSOR IMPREGNATED PAPER CAPACITOR                |
| Manufacturer Package Description | RADIAL LEADED   | RADIAL LEADED, ROHS COMPLIANT                             |

| Number       | Description  |
|--------------|--|
| 20110608000  | QUALIFICATION OF AN ALTERNATE MATERIAL SET FOR ASSEMBLY WITH AU WIRE AND ADD CU AS AN ADDITIONAL |
| 20100929002A | ADDITIONAL PB FREE LEAD FINISH AND EXPANSION OF CAPACITY (ASE-SHANGHAI) FOR SOIC (D) PRODUCT     |
| 20100218001B | QUALIFICATION OF ASESH AS AN ADDITIONAL ASSEMBLY SITE  |

Suspected Counterfeit and High Risk Part Alerts.

## Proactively Manage Environmental Compliance

Evolving regulations and a growing list of restricted substances make it more important than ever to manage the components in your products. With CAPS Universe, you can find compliance and hazardous material data and documents alongside the technical and sourcing information in a consistent, searchable format. Hazardous Material Data and Documentation includes:

- EU and China RoHS compliance status & exemptions
- REACH SVHC and PDSL presence
- CAS accounted for weight
- Hazardous substance concentration and weight
- Environment Friendly Use Period
- Compliance Number and Identifier
- Manufacturing parameters
- Certificates of Compliance
- Full Material Disclosure documents
- Material declaration data sheets
- IPC-1752-2 Material Declarations
- Terminal finish and JESD-609 code

## Expand Your Part Search into the Inventory of Major Distributors

After identifying the right part, you can look at status and availability information from the top electronic component distributors and then initiate the sourcing process with direct access to their ordering systems.

- Quantity in stock
- Minimum and maximum order quantities
- Lead time
- Price
- Packaging
- Source region
- Link to the distributor's site to research pricing and submit quote requests

## New Export Compliance Data

Export restrictions affect not only defense-related products, but can apply to dual-use items - electronics and computer technology that have civilian and military application.

CAPS Universe now includes four (4) attributes to help you track controlled items through the supply chain, ensure proper classification of your products and maintain compliance with export regulations:

- Export Control Classification Number (ECCN)
- ECCN Governance (ITAR or EAR)
- Harmonized Tariff Schedule (HTS) Code
- Schedule B Classification Code



## Advancing Decisions

With CAPS Universe, you can take a strategic, proactive approach to identifying and sourcing components, managing content over the product's life cycle and optimizing supply chains.

- Quickly find the right components for new product designs
- Eliminate redundant parts and suppliers and negotiate favorable terms with preferred suppliers
- Find parts without hazardous materials to comply with environmental regulations
- Stay ahead of quality risks to accelerate product development, reduce costs, and assure sustainment
- Actively manage obsolescence risks for new designs or long-term product support

## Discover Why the Leading Manufacturers Around the World Rely on IHS

CAPS Universe is just one of a full range of IHS solutions that manufacturers worldwide rely on to advance decisions across the organization.

IHS also offers a range of software tools and information resources - from market and technology forecasts to industry standards, environmental regulations and analysis tools - to improve product performance, profitability, compliance and sustainment.

- BOM Manager — Advanced product content management tool
- PCNalert — Component obsolescence management
- COMET — Bill of material management tool
- EIATRACK — Worldwide environmental regulation monitor
- ERAI — Counterfeit, high risk & substandard part alerts
- Haystack Gold — Logistics parts & suppliers databases
- iSuppli — Electronics market, industry & technology research & analysis
- Screen Digest — Media content & distribution technology
- Standards Expert — Governmental and industry standards and management tools

[For more information](#)

[www.ihs.com](http://www.ihs.com)

**Worldwide:** +1 303 397 2896

**U.S:** +1 877 413 5184

