

Custom search engine for industrial products and lead generation

Industry: Semiconductors

Business Objective:

- Generate new business opportunities on the web
- Provide superior customer support

Background: Electronics design engineers search for the components they need on Google. They are looking for new products or suppliers that can meet their technical specification requirements for new designs.

Solution overview: Created an online parametric search engine, knowledge-base and product and application specific content. This content was optimized to enable search engines to capture the information and direct visitors to the information portal. Once engineers visited the website, the site made it easy for them to locate the precise orderable part-number and either purchase it online through participating distributors with available-to-sell inventory in stock or submit a request for a free sample.

Services rendered:

- Business Consulting & Project Management
- Data creation, rationalization and cataloging
- User Interface design
- Specification search engine
- Content creation and search engine optimization

Sample screenshots:

The layout of the page permitted for capturing of all relevant information in a neatly organized format on one page. This was also the popular form being increasingly adopted by our client's competing semiconductor manufacturers. Graphics were provided by the client

Home | Products | Knowledge Base | Sample Request | Technical Consultation | Design Support | Sales Network | Contact | Logi



..Powerfully Small!
A specialist in Analog power supply IC design, development and manufacturing.

Part Search
Enter Keyword/Part Number
○ Keyword ● Part Number

Parametric Search

Products
Schottky Barrier Diodes
DC/DC Converters
Voltage Detectors
Voltage Regulators
Charge Pump ICs
Temperature Sensors
Power MOSFETs
Op Amps
CMOS Logic

Knowledge Base
 ▶ Schottky Barrier Diodes
 ▶ DC/DC Converters
 ▶ Voltage Detectors
 ▶ Voltage Regulators
 ▶ Charge Pump ICs
 ▶ Temperature Sensors
 ▶ Power MOSFETs
 ▶ Op Amps
 ▶ CMOS Logic
 ▶ Oscillators
 ▶ PLL Clock Generator ICs

Get Design Support
[Products Comparison](#)
[Cross Reference Search](#)
[Product Applications](#)
[Packaging Information](#)
[Discontinued Products](#)
[Package Power Dissipation](#)
[Soldering Temperature Profile](#)

RoHS/Green Compliance

Data creation

Data was created from data-sheets available by deploying a team of component engineers and data analysts. This data was fed into a parametric search engine created based on the client's requirements. To optimize the content for various search engines, a summary form of the data was also available in HTML format

TOREX Products

You are here: Home » Products
Schottky Barrier Diodes

*All information on products is in PDF (Portable Document Format), to view the information, Adobe Acrobat Reader or Plug-in is required.

SERIES	VR (V)	IF (A)	VF	IR	Ct@ VR=10V, f=1MHz (pF)	SIZE	PACKAGE	PDF
XB01SB04A2BR	40	1	0.49V(MAX.)@1A	200µA(MAX.)@VR=40V	35	4.0×1.8×1.3	SOD-123	
XB0ASB03A1BR	30	0.5	0.41V(MAX.)@500mA	100µA(MAX.)@VR=20V	12	2.65×1.4×1.05	SOD-323	
XBS013S15R	30	0.1	0.71V(TYP.)@100mA	2µA(MAX.)@VR=25V	6	1.7×0.85×0.77	SOD-523	
XBS013S16R	30	0.1	0.71V(TYP.)@100mA	2µA(MAX.)@VR=25V	6	1.5×0.65×0.65	SOD-723	
XBS024S15R	40	0.2	0.53V(TYP.)@200mA	2µA(MAX.)@VR=40V	5	1.7×0.85×0.77	SOD-523	
XBS053V13R	30	0.5	0.40V(TYP.)@500mA	100µA(MAX.)@VR=20V	12	2.7×1.4×1.0	SOD-323A	
XBS053V15R	30	0.5	0.40V(TYP.)@500mA	100µA(MAX.)@VR=20V	12	1.7×0.85×0.77	SOD-523	
XBS104S13R	40	1	0.49V(TYP.)@1A	200µA(MAX.)@VR=40V	35	2.7×1.4×1.0	SOD-323A	
XBS104S14R	40	1	0.49V(TYP.)@1A	200µA(MAX.)@VR=40V	35	3.85×1.7×1.25	SOD-123A	
XBS104V14R	40	1	0.65V(TYP.)@1A	2mA(MAX.)@VR=40V	150	3.85×1.7×1.25	SOD-123A	
XBS203V17R	30	2	0.35V(TYP.)@2A	3mA(MAX.)@VR=30V	280	5.20×2.79×2.20	SMA	

Parametric search engine

Client's products could be searched either using a custom designed keyword or part-number search or by selecting a category from a drop down menu.

Specification Search

Part # / Keyword Search: Search

Choose a Category: ---Select One---

---Select One---

Discrete

Logic

Op-Amp

Oscillator IC

PLL Clock Generator IC

Power Management ICs

Temperature Sensor

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The search results from selecting a category were fitted into a single screen with the parameters to show in the summary results prioritized. Additional functionality was available to edit/modify which parameters show up in the initial search result for each category of search. These search results could further be sorted by the categories shown in the initial results.

More Details

Narrow your results by:

Function: All

Schmitt Trigger: All

Package Style: All

Search

Search Results

You clicked on: [Logic](#)

Search Results: 35 matches

Sort by: Manufacturer Part#

Per page: Function

Add Column: -- Select --

Results 1-25 of 35 1 2

Manufac Part#	Function	Package Style	Schmitt Trigger					
XC74UL00AAN	2-INPUT NAND GATE	SSOT-25	NO	✓	✓	✓	✓	✓
XC74UL00AAR	2-INPUT NAND GATE	SON-6	NO	✓	✓	✓	✓	✓
XC74UL02AAN	2-INPUT NOR GATE	SSOT-25	NO	✓	✓	✓	✓	✓
XC74UL02AAR	2-INPUT NOR GATE	SON-6	NO	✓	✓	✓	✓	✓
XC74UL04AAN	INVERTER	SSOT-25	NO	✓	✓	✓	✓	✓
XC74UL04AAR	INVERTER	SON-6	NO	✓	✓	✓	✓	✓
XC74UL08AAN	2-INPUT AND GATE	SSOT-25	NO	✓	✓	✓	✓	✓
XC74UL08AAR	2-INPUT AND GATE	SON-6	NO	✓	✓	✓	✓	✓
XC74UL14AAN	SCHMITT TRIGGER INVERTER	SSOT-25	YES	✓	✓	✓	✓	✓
XC74UL14AAR	SCHMITT TRIGGER INVERTER	SON-6	YES	✓	✓	✓	✓	✓

The search could be further filtered using one or more parameters of interest

The image shows a web interface for searching electronic components. On the left, a 'More Details' sidebar allows filtering by 'Function', 'Schmitt Trigger', and 'Package Style'. The 'Package Style' dropdown is open, showing options: 'All', 'SSOT-25', 'MSOP-8B', 'SON-6', and 'SSOT-25'. A 'Search' button is located below the filters. On the right, the 'Search Results' section shows 9 matches. The results are sorted by 'Manufacturer Part#' and displayed in a table with columns for Manufacturer Part#, Function, Package Style, Schmitt Trigger, and several utility icons (info, print, sample, quote). The table lists 9 different IC models with their respective functions and package styles.

More Details

Narrow your results by:

Function: All

Schmitt Trigger: All

Package Style: SSOT-25

Search

Search Results You clicked on: [Logic](#)

Search Results: 9 matches

Sort by: Manufacturer Part#

Add Column: -- Select --

Per page results: 25

Results 1-9 of 9

Manufacturer Part#	Function	Package Style	Schmitt Trigger	i	Print	Need a Sample	Need a Quote
XC74UL00AA	2-INPUT NAND GATE	SSOT-25	NO	✓	✓	✓	✓
XC74UL02AA	2-INPUT NOR GATE	SSOT-25	NO	✓	✓	✓	✓
XC74UL04AA	INVERTER	SSOT-25	NO	✓	✓	✓	✓
XC74UL08AA	2-INPUT AND GATE	SSOT-25	NO	✓	✓	✓	✓
XC74UL14AA	SCHMITT TRIGGER INVERTER	SSOT-25	YES	✓	✓	✓	✓
XC74UL32AA	2-INPUT OR GATE	SSOT-25	NO	✓	✓	✓	✓
XC74UL4066N	ANALOG SWITCH	SSOT-25	NO	✓	✓	✓	✓
XC74UL86AA	2-INPUT EXCLUSIVE-OR GATE	SSOT-25	NO	✓	✓	✓	✓
XC74ULU04AN	INVERTER	SSOT-25	NO	✓	✓	✓	✓

Results 1-9 of 9

The user could add or remove additional parameters to be able to facilitate a side-by-side comparison of various filtered parts

More Details

Narrow your results by:

Function: All

Schmitt Trigger: All

Package Style: SSOT-25

Search Results You clicked on: [Logic](#)

Search Results: 9 matches

Sort by: Manufacturer Part#

Per page results: 25

Manufacturer Part#	Function	Lead-Free Hide	Package Style	Package Width (Inches) Hide	Schmitt Trigger				
XC74UL00AAN	2-INPUT NAND GATE	YES	SSOT-25	0.083	NO				
XC74UL02AAN	2-INPUT NOR GATE	YES	SSOT-25	0.083	NO				
XC74UL04AAN	INVERTER	YES	SSOT-25	0.083	NO				
XC74UL08AAN	2-INPUT AND GATE	YES	SSOT-25	0.083	NO				
XC74UL14AAN	SCHMITT TRIGGER INVERTER	YES	SSOT-25	0.083	YES				
XC74UL32AAN	2-INPUT OR GATE	YES	SSOT-25	0.083	NO				
XC74UL4066N	ANALOG SWITCH	YES	SSOT-25	0.083	NO				
XC74UL86AAN	2-INPUT EXCLUSIVE-OR GATE	YES	SSOT-25	0.083	NO				
XC74ULU04AN	INVERTER	YES	SSOT-25	0.083	NO				

Results 1-9 of 9

Once the desired part was identified, the user could proceed to additional functions available including requesting a free sample, a price quote or purchasing the product online. The orderable part number would seamlessly be forwarded into the shopping cart to facilitate the transaction.

More Details

Narrow your results by:

Function: All

Schmitt Trigger: All

Package Style: SSOT-25

Search Results You clicked on: [Logic](#)

Search Results: 9 matches

Sort by: Manufacturer Part#

Per page results: 25

Manufacturer Part#	Function	Lead-Free Hide	Package Style	Package Width (Inches) Hide	Schmitt Trigger				
XC74UL00AAN	2-INPUT NAND GATE	YES	SSOT-25	0.083	NO				
XC74UL02AAN	2-INPUT NOR GATE	YES	SSOT-25	0.083	NO				
XC74UL04AAN	INVERTER	YES	SSOT-25	0.083	NO				
XC74UL08AAN	2-INPUT AND GATE	YES	SSOT-25	0.083	NO				
XC74UL14AAN	SCHMITT TRIGGER INVERTER	YES	SSOT-25	0.083	YES				
XC74UL32AAN	2-INPUT OR GATE	YES	SSOT-25	0.083	NO				
XC74UL4066N	ANALOG SWITCH	YES	SSOT-25	0.083	NO				
XC74UL86AAN	2-INPUT EXCLUSIVE-OR GATE	YES	SSOT-25	0.083	NO				
XC74ULU04AN	INVERTER	YES	SSOT-25	0.083	NO				

Results 1-9 of 9