

[HOME \(/STORE/EM/EMCONTROLLER?LANGID=-1&STOREID=500201&CATALOGID=500201&ACTION=HOME\)](#) | [PRODUCTS](#) | [DESIGN \(/WWW.EM.AVNET.COM/EN-US/DESIGN/PAGES/DEFAULT.ASPX\)](#) | [SERVICES \(/WWW.EM.AVNET.COM/EN-US/SERVICES/PAGES/DEFAULT.ASPX\)](#) | [BOM UPLOAD \(/STORE/EM/BOMUPLOADCONTROLLERCMD?ACTION=BOMHOME&CATALOGID=500201&LANGID=-1&STOREID=500201\)](#)



[CART](#) [\(/store/em/OrderItemDisplay?storeid=500201&langid=-1&...](#)

Home Page (/store/em/EMController?action=home&langid=-1&storeid=500201&catalogid=500201) » Products » Discrete » Diode » Rectifier » X BAS16

[Part Details](#) | [Related Parts](#) | [Alternate Parts](#)

### Manufacturer Part #: BAS16

**Fairchild Semiconductor**  
 Diode Small Signal Sw itching 85V 0.2A 3-Pn SOT-23 T/R



(<http://www.fairchildsemi.com/ds/BA/BAS16.pdf>)

**Avnet Part #:** BAS16  
**ECCN:** EAR99  
**Schedule B:** 8541.10.0070  
**HTSN:** 8541.10.0070  
**UNSPSC:** 32121701  
**Version:** v13.0601

[Compare](#)

[Email Page](#) | [Print](#)

**LIVE HELP**

Chat with our Customer Care Team now!

[Start Chat](#)

Region	Qty Available/ Ships In	Packaging	Pr	
Americas 	<b>Part #:</b> BAS16/BKN <b>MFR:</b> Fairchild Semiconductor <b>Stock:</b> 2,946 Stock Can ship immediately <b>Average Factory Lead Time:</b> 21 Week	Cut Tape	1,000	<a href="#">Cart</a> <a href="#">BOM</a>
Americas 	<b>Part #:</b> BAS16 <b>MFR:</b> Fairchild Semiconductor <b>Stock:</b> 141,000 Can ship immediately <b>Stock On Order:</b> 63000 Can ship 07/21/2014 60000 Can ship 09/12/2014 <b>Average Factory Lead Time:</b> 21 Week	Tape & Reel	<b>\$3,000-\$0.0189</b> 15,000-\$0.0173 30,000+-\$0.0167	<input type="text" value="3000"/> Min: 3000 Mult: 3000 <a href="#">Add to Cart</a> <a href="#">Add to BOM</a>
Global	<a href="#">View Inventory in All Regions</a>			

**Molex DDR4 DIMM Sockets**

Available in UDIMM, RDIMM and LRDIMM

[Learn More](#)

Description	Value	Find Similar Parts
Package	3SOT-23	<input type="checkbox"/>
Type	Small Signal Switching Diode	<input type="checkbox"/>
Configuration	Single	<input type="checkbox"/>
Peak Reverse Repetitive Voltage	85 V	<input type="checkbox"/>
Peak Average Forward Current	0.2 A	<input type="checkbox"/>
Peak Reverse Recovery Time	6 ns	<input type="checkbox"/>
Peak Reverse Current	1 uA	<input type="checkbox"/>
Peak Forward Voltage	1.25@0.15A V	<input type="checkbox"/>
Peak Non-Repetitive Surge Current	2 A	<input type="checkbox"/>
Operating Temperature	-55 to 150 °C	<input type="checkbox"/>
Mounting	Surface Mount	<input type="checkbox"/>
Category	Rectifier	<input type="checkbox"/>
Manufacturer	Fairchild Semiconductor	<input type="checkbox"/>
		Search

[back to top](#)

## Related Products

**[BAS16-7-F \(/store/em/EMController/\\_/A-3999227/An-0?action=part&langId=-1&catalogId=500201&storeId=500201\)](/store/em/EMController/_/A-3999227/An-0?action=part&langId=-1&catalogId=500201&storeId=500201)**

Diode Switching 75V 0.3A 3-Pin SOT-23 T/R  
DII | BAS16-7-F

**[BAS16LT1G \(/store/em/EMController/\\_/A-843823/An-0?action=part&langId=-1&catalogId=500201&storeId=500201\)](/store/em/EMController/_/A-843823/An-0?action=part&langId=-1&catalogId=500201&storeId=500201)**

Diode Small Signal Switching 75V 0.2A 3-Pin SOT-23 T/R  
ONS | BAS16LT1G

**[BAS16-V-GS08 \(/store/em/EMController/\\_/A-4233029/An-0?action=part&langId=-1&catalogId=500201&storeId=500201\)](/store/em/EMController/_/A-4233029/An-0?action=part&langId=-1&catalogId=500201&storeId=500201)**

Diode Small Signal Switching 75V 0.15A 3-Pin SOT-23 T/R  
VIS | BAS16-V-GS08

**[BAS16LT3G \(/store/em/EMController/\\_/A-1288265/An-0?action=part&langId=-1&catalogId=500201&storeId=500201\)](/store/em/EMController/_/A-1288265/An-0?action=part&langId=-1&catalogId=500201&storeId=500201)**













Diode Small Signal Switching 75V 0.2A 3-Pin SOT-23 T/R  
ONS | BAS16LT3G

**[BAS16\\_D87Z \(/store/em/EMController/\\_/A-194597/An-0?action=part&langId=-1&catalogId=500201&storeId=500201\)](/store/em/EMController/_/A-194597/An-0?action=part&langId=-1&catalogId=500201&storeId=500201)**

Diode Small Signal Switching 85V 0.2A 3-Pin SOT-23 T/R  
FSC | BAS16\_D87Z

[back to top](#)

Alternate Parts

Manufacturer Part #	Qty Available/ Ships In	Packaging	DataSheet	Price (USD)	Buy Qty
<input type="checkbox"/> <p><a href="#">Diodes, Inc</a>  <a href="#">BAS16-7-F (/store/em/EMController/ /A-3999227? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a>                      ECCN / HTSN                      UNSPSC                      Type: Equivalent                      Region: Americas    </p>	<p><b>Part # :</b> BAS16-7-F  <b>MFR</b> Diodes, Inc  <b>Stock:</b> 3,696,000 Stock                      Can ship immediately  <b>Average Factory</b> 12 Week  <b>Lead Time:</b> Factory Lead Time  <b>View Inventory in All Regions</b></p>	Tape & Reel	 ( <a href="http://www.diodes.com/datasheets/ds12003.pdf">http://www.diodes.com/datasheets/ds12003.pdf</a> )	<p>3,000- \$0.0124</p> <p>15,000- \$0.0111</p> <p>30,000+- \$0.0109</p>	<p><input type="text" value="3000"/></p> <p>Min:3000 Mult:3000</p>
<input type="checkbox"/> <p><a href="#">NXP Semiconductors</a>  <a href="#">PMBD6050,215 (/store/em/EMController/ /A-8837790? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a>                      ECCN / HTSN                      UNSPSC                      Type: Equivalent                      Region: Americas    </p>	<p><b>Part # :</b> PMBD6050,215  <b>MFR</b> NXP Semiconductors  <b>Stock:</b> 147,000                      Can ship immediately  <b>Stock On Order:</b> 33000 Can ship 06/27/2014                      54000 Can ship 08/22/2014  <b>Average Factory</b> 13 Week  <b>Lead Time:</b> Factory Lead Time  <b>View Inventory in All Regions</b></p>	Tape & Reel	 ( <a href="http://www.nxp.com/acrobat_download/datasheets/PMBD6050_4.pdf">http://www.nxp.com/acrobat_download/datasheets/PMBD6050_4.pdf</a> )	<p>3,000- \$0.0895</p> <p>15,000- \$0.0810</p> <p>30,000+- \$0.0793</p>	<p><input type="text" value="3000"/></p> <p>Min:3000 Mult:3000</p>
<input type="checkbox"/> <p><a href="#">NXP Semiconductors</a>  <a href="#">PMBD914,215 (/store/em/EMController/ /A-8828304? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a>                      ECCN / HTSN                      UNSPSC                      Type: Equivalent                      Region: Americas    </p>	<p><b>Part # :</b> PMBD914,215  <b>MFR</b> NXP Semiconductors  <b>Stock:</b> 1,131,000                      Can ship immediately  <b>Stock On Order:</b> 117000 Can ship 07/18/2014                      366000 Can ship 08/01/2014  <b>Average Factory</b> 13 Week  <b>Lead Time:</b> Factory Lead Time  <b>View Inventory in All Regions</b></p>	Tape & Reel	 ( <a href="http://www.nxp.com/documents/data_sheet/PMBD914.pdf">http://www.nxp.com/documents/data_sheet/PMBD914.pdf</a> )	<p>3,000- \$0.0206</p> <p>15,000- \$0.0188</p> <p>30,000+- \$0.0182</p>	<p><input type="text" value="3000"/></p> <p>Min:3000 Mult:3000</p>
<input type="checkbox"/> <p><a href="#">ON Semiconductor</a>  <a href="#">BAS16LT1G (/store/em/EMController/ /A-843823? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a>                      ECCN / HTSN                      UNSPSC                      Type: Equivalent                      Region: Americas    </p>	<p><b>Part # :</b> BAS16LT1G  <b>MFR</b> ON Semiconductor  <b>Stock:</b> 195,000                      Can ship immediately  <b>Stock On Order:</b> 96000 Can ship 08/04/2014                      96000 Can ship 09/02/2014  <b>Average Factory</b> 23 Week  <b>Lead Time:</b> Factory Lead Time  <b>View Inventory in All Regions</b></p>	Tape & Reel	 ( <a href="http://www.onsemi.com/pub/Collateral/BAS16LT1-D.PDF">http://www.onsemi.com/pub/Collateral/BAS16LT1-D.PDF</a> )	<p>3,000- \$0.0406</p> <p>15,000- \$0.0376</p> <p>30,000+- \$0.0359</p>	<p><input type="text" value="3000"/></p> <p>Min:3000 Mult:3000</p>
<input type="checkbox"/> <p><a href="#">ON Semiconductor</a>  <a href="#">BAS16LT1G (/store/em/EMController/ /A-11010952? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a>                      ECCN / HTSN                      UNSPSC                      Type: Equivalent                      Region: Americas    </p>	<p><b>Part # :</b> BAS16LT1G/BKN  <b>MFR</b> ON Semiconductor  <b>Stock:</b> 21,474 Stock                      Can ship immediately  <b>Average Factory</b> 23 Week  <b>Lead Time:</b> Factory Lead Time</p>	Cut Tape	 ( <a href="http://www.onsemi.com/pub/Collateral/BAS16LT1-D.PDF">http://www.onsemi.com/pub/Collateral/BAS16LT1-D.PDF</a> )	<p>1-\$0.1499</p> <p>10-\$0.0894</p> <p>50-\$0.0641</p> <p>100- \$0.0550</p> <p>500-</p>	<p><input type="text" value="1"/></p> <p>Min:1 Mult:1</p>

		View Inventory in All Regions			\$0.0454 1,000+-\$0.0440	
<input type="checkbox"/>	<a href="#">Diodes, Inc</a> <a href="#">BAS16-7-F (/store/em/EMController/ /A-4286521? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a> ECCN / HTSN UNSPSC Type: Equivalent Region: Americas 	<b>Part # :</b> BAS16-7-F/BKN <b>MFR</b> Diodes, Inc <b>Stock:</b> 570 Stock Can ship immediately <b>Average Factory Lead Time:</b> 12 Week <b>Lead Time:</b> Factory Lead Time View Inventory in All Regions	Cut Tape	 ( <a href="http://www.diodes.com/datasheets/ds12003.pdf">http://www.diodes.com/datasheets/ds12003.pdf</a> )	1-\$0.1100 10-\$0.0358 50-\$0.0237 100-\$0.0204 500-\$0.0147 1,000+-\$0.0134	<input type="text" value="1"/> Min:1 Mult:1
<input type="checkbox"/>	<a href="#">NXP Semiconductors</a> <a href="#">PMBD914,235 (/store/em/EMController/ /A-8823200? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a> ECCN / HTSN UNSPSC Type: Equivalent Region: Americas 	<b>Part # :</b> PMBD914,235 <b>MFR</b> NXP Semiconductors <b>Stock:</b> 400,000 Can ship immediately <b>Average Factory Lead Time:</b> 13 Week <b>Lead Time:</b> Factory Lead Time	Tape & Reel	 ( <a href="http://www.nxp.com/documents/data_sheet/PMBD914.pdf">http://www.nxp.com/documents/data_sheet/PMBD914.pdf</a> )	80,000-\$0.0169 400,000-\$0.0162 800,000+-\$0.0158	<input type="text" value="8000"/> Min:80000 Mult:10000
<input type="checkbox"/>	<a href="#">ON Semiconductor</a> <a href="#">BAS16LT3G (/store/em/EMController/ /A-1288265? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a> ECCN / HTSN UNSPSC Type: Equivalent Region: Americas  	<b>Part # :</b> BAS16LT3G <b>MFR</b> ON Semiconductor <b>Stock:</b> No Stock <b>Stock On Order:</b> 20000 Can ship 10/15/2014 30000 Can ship 10/29/2014 <b>Average Factory Lead Time:</b> 23 Week <b>Lead Time:</b> Factory Lead Time View Inventory in All Regions	Tape & Reel	 ( <a href="http://www.onsemi.com/pub/Collateral/BAS16LT1-D.PDF">http://www.onsemi.com/pub/Collateral/BAS16LT1-D.PDF</a> )	10,000-\$0.0386 50,000-\$0.0350 100,000+-\$0.0345	<input type="text" value="10000"/> Min:10000 Mult:10000
<input type="checkbox"/>	<a href="#">Vishay / Semiconductor</a> <a href="#">BAS16-V-GS08 (/store/em/EMController/ /A-4233029? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a> ECCN / HTSN UNSPSC Type: Equivalent Region: Americas <input checked="" type="checkbox"/> 	<b>Part # :</b> BAS16-V-GS08 <b>MFR</b> Vishay / Semiconductor <b>Stock:</b> No Stock	Tape & Reel	 ( <a href="http://www.vishay.com/docs/85539/bas16-v.pdf">http://www.vishay.com/docs/85539/bas16-v.pdf</a> )	15,000-\$0.0146 30,001-\$0.0136 60,001+-\$0.0128	<input type="text" value="15000"/> Min:15000 Mult:15000
<input type="checkbox"/>	<a href="#">NXP Semiconductors</a> <a href="#">PMBD6050,235 (/store/em/EMController/ /A-8821176? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a> ECCN / HTSN UNSPSC Type: Equivalent Region: Americas 	<b>Part # :</b> PMBD6050,235 <b>MFR</b> NXP Semiconductors <b>Stock:</b> No Stock <b>Average Factory Lead Time:</b> 13 Week <b>Lead Time:</b> Factory Lead Time	Tape & Reel	 ( <a href="http://www.nxp.com/documents/data_sheet/PMBD6050.pdf">http://www.nxp.com/documents/data_sheet/PMBD6050.pdf</a> )	60,000-\$0.0779 300,000+-\$0.0752	<input type="text" value="60000"/> Min:60000 Mult:10000
<input type="checkbox"/>	<a href="#">Infineon Technologies</a> <a href="#">BAS16E6393XT (/store/em/EMController/ /A-8620231? action=part&amp;catalogId=500201&amp;langId=-1&amp;storeId=500201)</a> ECCN / HTSN UNSPSC Type: Equivalent Region: Americas 	<b>Part # :</b> BAS16E6393XT <b>MFR</b> Infineon Technologies <b>Stock:</b> No Stock <b>Average Factory Lead Time:</b> <b>Lead Time:</b> Call for Delivery	Tape & Reel	 ( <a href="http://www.infineon.com/dgdl/bas16series.pdf? folderId=db3a30431400ef6801141b5844e103ea&amp;fileId=db3a30431400ef6801141b93811b03ff">http://www.infineon.com/dgdl/bas16series.pdf? folderId=db3a30431400ef6801141b5844e103ea&amp;fileId=db3a30431400ef6801141b93811b03ff</a> )	Requires Quote	<input type="text" value="3000"/> Min:3000 Mult:3000 <b>Request a Quote (/store/em/RFQListDisplay? langId=-1&amp;mode=add&amp;catEntryId=8620231&amp;qty=3000&amp;ch</b>

[Add to Compare List](#)

[back to top](#)

[Request a Quote \(/store/em/RFQListDisplay?mode=display&langId=-1&storeId=500201&catalogId=500201\)](#) | [Online Help \(/store/em/OnlineHelpView?langId=-1&storeId=500201&catalogId=500201\)](#) | [About Avnet \(/store/em/AboutAvnetView?langId=-1&storeId=500201&catalogId=500201\)](#) | [Contact Us \(/store/em/ContactUsSpotView?langId=-1&storeId=500201&catalogId=500201\)](#) | [Feedback \(http://survey01.avnet.com/Surveys/TakeSurvey.aspx?surveyid=4793\)](#)  
© 2012 Avnet, Inc. All rights reserved. | [Privacy Statements \(http://www.avnet.com/legal/privacy.html\)](#) | [Legal Notices \(http://www.avnet.com/legal/legalnotice.html\)](#) | [Terms & Conditions \(http://www.avnet.com/legal/termsandcondition.html\)](#)

View Americas Warehouse Products by: | [Title \(http://avnetexpress.avnet.com/1/1/index1.html?yaLink=Title\)](#) | [Brand \(http://avnetexpress.avnet.com/1/1/indexb1.html?yaLink=Brand\)](#) | [Category \(http://avnetexpress.avnet.com/1/1/indexc1.html?yaLink=Category\)](#) | [SKU \(http://avnetexpress.avnet.com/1/1/indexd1.html?yaLink=SKU\)](#) | [Popularity \(http://avnetexpress.avnet.com/1/1/indexe1.html?yaLink=Popularity\)](#) | [Related Searches \(http://avnetexpress.avnet.com/1/1/indexf1.html?yaLink=RelatedSearches\)](#)

View Americas Warehouse Categories by: | [Popularity \(http://avnetexpress.avnet.com/1/3/index1.html?yaLink=Popularity\)](#) | [Similar Searches \(http://avnetexpress.avnet.com/1/3/indexb1.html?yaLink=SimilarSearches\)](#) | [Most View ed \(http://avnetexpress.avnet.com/1/3/indexc1.html?yaLink=MostView ed\)](#) | [Top Searches \(http://avnetexpress.avnet.com/1/3/indexd1.html?yaLink=TopSearches\)](#) | [Online Sellers \(http://avnetexpress.avnet.com/1/3/indexe1.html?yaLink=OnlineSellers\)](#) | [Title \(http://avnetexpress.avnet.com/1/3/indexf1.html?yaLink=Title\)](#)

View Americas Warehouse Best Sellers by: | [Title \(http://avnetexpress.avnet.com/1/2/index1.html?yaLink=Title\)](#) | [Brand \(http://avnetexpress.avnet.com/1/2/indexb1.html?yaLink=Brand\)](#) | [Category \(http://avnetexpress.avnet.com/1/2/indexc1.html?yaLink=Category\)](#) | [SKU \(http://avnetexpress.avnet.com/1/2/indexd1.html?yaLink=SKU\)](#) | [Popularity \(http://avnetexpress.avnet.com/1/2/indexe1.html?yaLink=Popularity\)](#) | [Related Searches \(http://avnetexpress.avnet.com/1/2/indexf1.html?yaLink=RelatedSearches\)](#)

View Americas Warehouse Popular Categories by: | [Popularity \(http://avnetexpress.avnet.com/1/4/index1.html?yaLink=Popularity\)](#) | [Similar Searches \(http://avnetexpress.avnet.com/1/4/indexb1.html?yaLink=SimilarSearches\)](#) | [Most View ed \(http://avnetexpress.avnet.com/1/4/indexc1.html?yaLink=MostView ed\)](#) | [Top Searches \(http://avnetexpress.avnet.com/1/4/indexd1.html?yaLink=TopSearches\)](#) | [Online Sellers \(http://avnetexpress.avnet.com/1/4/indexe1.html?yaLink=OnlineSellers\)](#) | [Title \(http://avnetexpress.avnet.com/1/4/indexf1.html?yaLink=Title\)](#)