| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/crypto/ShortBufferException.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/crypto//class-useShortBufferException.html)    [**NO FRAMES**](http://docs.google.com/ShortBufferException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.crypto.ShortBufferException**

| Packages that use [ShortBufferException](http://docs.google.com/javax/crypto/ShortBufferException.html) | |
| --- | --- |
| [**javax.crypto**](#3znysh7) | Provides the classes and interfaces for cryptographic operations. |

| Uses of [ShortBufferException](http://docs.google.com/javax/crypto/ShortBufferException.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |

| Methods in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) that throw [ShortBufferException](http://docs.google.com/javax/crypto/ShortBufferException.html) | |
| --- | --- |
| int | **Cipher.**[**doFinal**](http://docs.google.com/javax/crypto/Cipher.html#doFinal(byte%5B%5D,%20int))(byte[] output, int outputOffset)            Finishes a multiple-part encryption or decryption operation, depending on how this cipher was initialized. |
| void | **Mac.**[**doFinal**](http://docs.google.com/javax/crypto/Mac.html#doFinal(byte%5B%5D,%20int))(byte[] output, int outOffset)            Finishes the MAC operation. |
| int | **Cipher.**[**doFinal**](http://docs.google.com/javax/crypto/Cipher.html#doFinal(byte%5B%5D,%20int,%20int,%20byte%5B%5D))(byte[] input, int inputOffset, int inputLen, byte[] output)            Encrypts or decrypts data in a single-part operation, or finishes a multiple-part operation. |
| int | **Cipher.**[**doFinal**](http://docs.google.com/javax/crypto/Cipher.html#doFinal(byte%5B%5D,%20int,%20int,%20byte%5B%5D,%20int))(byte[] input, int inputOffset, int inputLen, byte[] output, int outputOffset)            Encrypts or decrypts data in a single-part operation, or finishes a multiple-part operation. |
| int | **Cipher.**[**doFinal**](http://docs.google.com/javax/crypto/Cipher.html#doFinal(java.nio.ByteBuffer,%20java.nio.ByteBuffer))([ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) input, [ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) output)            Encrypts or decrypts data in a single-part operation, or finishes a multiple-part operation. |
| protected abstract  int | **CipherSpi.**[**engineDoFinal**](http://docs.google.com/javax/crypto/CipherSpi.html#engineDoFinal(byte%5B%5D,%20int,%20int,%20byte%5B%5D,%20int))(byte[] input, int inputOffset, int inputLen, byte[] output, int outputOffset)            Encrypts or decrypts data in a single-part operation, or finishes a multiple-part operation. |
| protected  int | **CipherSpi.**[**engineDoFinal**](http://docs.google.com/javax/crypto/CipherSpi.html#engineDoFinal(java.nio.ByteBuffer,%20java.nio.ByteBuffer))([ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) input, [ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) output)            Encrypts or decrypts data in a single-part operation, or finishes a multiple-part operation. |
| protected abstract  int | **KeyAgreementSpi.**[**engineGenerateSecret**](http://docs.google.com/javax/crypto/KeyAgreementSpi.html#engineGenerateSecret(byte%5B%5D,%20int))(byte[] sharedSecret, int offset)            Generates the shared secret, and places it into the buffer sharedSecret, beginning at offset inclusive. |
| protected abstract  int | **ExemptionMechanismSpi.**[**engineGenExemptionBlob**](http://docs.google.com/javax/crypto/ExemptionMechanismSpi.html#engineGenExemptionBlob(byte%5B%5D,%20int))(byte[] output, int outputOffset)            Generates the exemption mechanism key blob, and stores the result in the output buffer, starting at outputOffset inclusive. |
| protected abstract  int | **CipherSpi.**[**engineUpdate**](http://docs.google.com/javax/crypto/CipherSpi.html#engineUpdate(byte%5B%5D,%20int,%20int,%20byte%5B%5D,%20int))(byte[] input, int inputOffset, int inputLen, byte[] output, int outputOffset)            Continues a multiple-part encryption or decryption operation (depending on how this cipher was initialized), processing another data part. |
| protected  int | **CipherSpi.**[**engineUpdate**](http://docs.google.com/javax/crypto/CipherSpi.html#engineUpdate(java.nio.ByteBuffer,%20java.nio.ByteBuffer))([ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) input, [ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) output)            Continues a multiple-part encryption or decryption operation (depending on how this cipher was initialized), processing another data part. |
| int | **KeyAgreement.**[**generateSecret**](http://docs.google.com/javax/crypto/KeyAgreement.html#generateSecret(byte%5B%5D,%20int))(byte[] sharedSecret, int offset)            Generates the shared secret, and places it into the buffer sharedSecret, beginning at offset inclusive. |
| int | **ExemptionMechanism.**[**genExemptionBlob**](http://docs.google.com/javax/crypto/ExemptionMechanism.html#genExemptionBlob(byte%5B%5D))(byte[] output)            Generates the exemption mechanism key blob, and stores the result in the output buffer. |
| int | **ExemptionMechanism.**[**genExemptionBlob**](http://docs.google.com/javax/crypto/ExemptionMechanism.html#genExemptionBlob(byte%5B%5D,%20int))(byte[] output, int outputOffset)            Generates the exemption mechanism key blob, and stores the result in the output buffer, starting at outputOffset inclusive. |
| int | **Cipher.**[**update**](http://docs.google.com/javax/crypto/Cipher.html#update(byte%5B%5D,%20int,%20int,%20byte%5B%5D))(byte[] input, int inputOffset, int inputLen, byte[] output)            Continues a multiple-part encryption or decryption operation (depending on how this cipher was initialized), processing another data part. |
| int | **Cipher.**[**update**](http://docs.google.com/javax/crypto/Cipher.html#update(byte%5B%5D,%20int,%20int,%20byte%5B%5D,%20int))(byte[] input, int inputOffset, int inputLen, byte[] output, int outputOffset)            Continues a multiple-part encryption or decryption operation (depending on how this cipher was initialized), processing another data part. |
| int | **Cipher.**[**update**](http://docs.google.com/javax/crypto/Cipher.html#update(java.nio.ByteBuffer,%20java.nio.ByteBuffer))([ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) input, [ByteBuffer](http://docs.google.com/java/nio/ByteBuffer.html) output)            Continues a multiple-part encryption or decryption operation (depending on how this cipher was initialized), processing another data part. |

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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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