

tf.contrib.signal.hann_window

```
hann_window(  
    window_length,  
    periodic=True,  
    dtype=tf.float32,  
    name=None  
)
```

Defined in [tensorflow/contrib/signal/python/ops/window_ops.py](#).

See the guide: [Signal Processing \(contrib\)](#) > Reconstructing framed sequences and applying a tapering window

Generate a [Hann window](#).

Args:

- `window_length`: A scalar **Tensor** indicating the window length to generate.
- `periodic`: A bool **Tensor** indicating whether to generate a periodic or symmetric window. Periodic windows are typically used for spectral analysis while symmetric windows are typically used for digital filter design.
- `dtype`: The data type to produce. Must be a floating point type.
- `name`: An optional name for the operation.

Returns:

A **Tensor** of shape `[window_length]` of type `dtype`.

Raises:

- **ValueError**: If `dtype` is not a floating point type.

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