

# Edge Filters

- ‡ EZadf BSee 8[fVde 7hVdk ' " ` \_ Xda\_ & " ` \_ fa # " " " ` \_
- ‡ >a` Y BSee 8[fVde 7hVdk ' " ` \_ Xda\_ ' " " " ` \_ fa # " " " ` \_
- ‡ 5gefa\_ 8[fVdeEbVW[ USf[a` eBdah[VW Gba` DVtgvWf
- ‡ D[ Y? ag` fW
- ‡ ELb[TW S` V EV\$^W Xad? a[efgd\BdafVWf[a`
- ‡ GeW[ 5a\_ T[ Sf[a` Xad5gefa\_ 8[fVd[ Y

8ad3bb^USf[a` e; ,  
7\_ [ee[a` 8[fVde[ 8gad^UVUV3bb^USf[a` e  
7^ [ SfMG` i S` fW DSV[Sf[a` [ DS\_ S` EbWfdaeabk  
3efda` a\_ [US^3bb^USf[a` e  
AdVdEadf[ Y



Obfa\_ Wd[Le[eb VSeW fa S` ag` UWFZW  
 'Sg` LZ aXFZW W Wf SVV[f[a` fa agdabf[US`  
 fVd[ VVWZ EZ adf BSeeS` V >a` Y BSee fVd[  
 La` WUf[hWk US` W 7VYW fVd[

3 EZ adf BSee adEZ adf I ShWBSsee fVd[zEBŠfi[eS  
 fVd[fZSf fdS` e\_ [feSf eZ adf Vdi ShWVYfZeS` V  
 dWUfe` a` YVdi ShWVYfZe` 4k La` fSefi S >a` Y  
 BSee ad >a` Y I ShWBSsee fVd[z>BŠfi[ea` WfZSf  
 fdS` e\_ [feSf` a` YVdi ShWVYfZeS` V dWUfeZ adf Vdi  
 i ShWVYfZe` 4k VVdY` fZ WfdS` e[f[a` [ TafZ EB  
 S` V >B fVd[ TWi WV fZW` , UgfŽa` adUgfŽa` fa

dWUf[a` [ecg[fVdZ SdbZfZ[e\_ S] Vd[ f\_ gUZ VSe[Vd  
 fa eVbScSfWVY/UfSf[a` Xba\_ W [ffVW i ShWVYfZe  
 i [fZagf [ fVdVd[ Y i [fZ i ShWVYfZe aX[ fVdVd[  
 EB S` V >B fVd[ SdVgeVg` Sbb [USf[a` ei ZVdV  
 ebWUfdS` a[eVdVgUf[a` [e\_ badS` f adXad[ea` SfZ  
 [ Y S bSd[ Uj` SddV[a` aXFZ WebWUfcb\_ žFZVK US`  
 TWgeVW SeV [ee[a` fVd[ gadVUW UMSbb [Z  
 USf[a` d fa W\_ [ SfVdS` kg` i S` fV dSV[Sf[a` t [   
 DS\_ S` ebWUfcb eLabkl Se adVd ead[ Y fVd[ Se  
 i W` Se [ Sefcb` a\_ [US` Sbb [USf[a` eZ FZVK SdV` ea  
 geV [ `SeVd[ VgUW gadVUW UMa [ea` SfW e agdUW  
 dSV[Sf[a` ž

## Features

- † >a` Y BSee fVd[ VVWk` ' " ` \_ Xba\_ ' " " ` \_  
fa # " " ` \_
- † EZ adf BSee fVd[ VVWk` ' " ` \_ Xba\_ & " " ` \_  
fa # " " " ` \_
- † D[ Y \_ ag` fW
- † EUqTW S` V eVSVW Xad\_a [efgdVbcbfVUf[a`
- † GeW[ Ua\_ T[ Sf[a` XadUgefa\_ fVd[ Y
- † g[ Wfg` WUgfŽa` adUgfŽa` i ShWVYfZeTk  
UZS` Y[ Y S` Y MaX[ U[VWUW

## General Specifications

### Dimensions & Tolerances

\$' & \_ \_ V[S\_ VVd [hatched] " ž " ž ž ž \_ \_  
 # \$ ž \_ \_ V[S\_ VVd [hatched] " ž " ž ž ž \_ \_

Thickness [hatched] !/ ( & \_ \_

### Clear Aperture

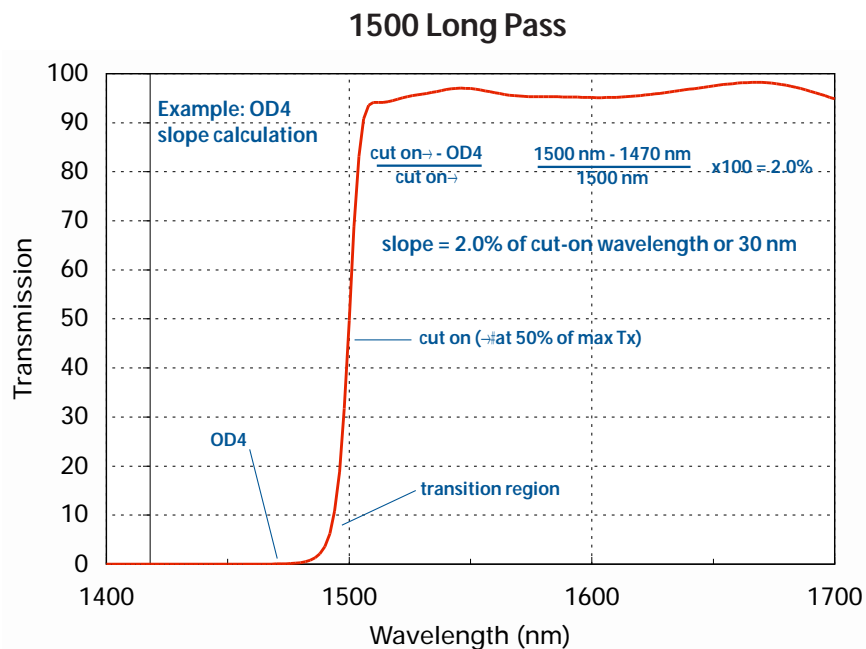
\$' & \_ \_ V[S\_ VVd [hatched] O! / \$ # & \_ \_  
 # \$ ž \_ \_ V[S\_ VVd [hatched] O! / \* ž \_ \_

Mounting [hatched] 4SU S` aV[ W Sg\_ [ g\_ d[ Y

Scratch/Dig [hatched] \* " ! " bVd? [ŽA ž # % % 3

Substrate material [hatched] 4ada aSf

Operating temperature range [hatched] \$" ©5 fa )' ©5



## Long Pass Filters: Standard Specifications

**Transmission Region**

**Minimum Peak Transmission**

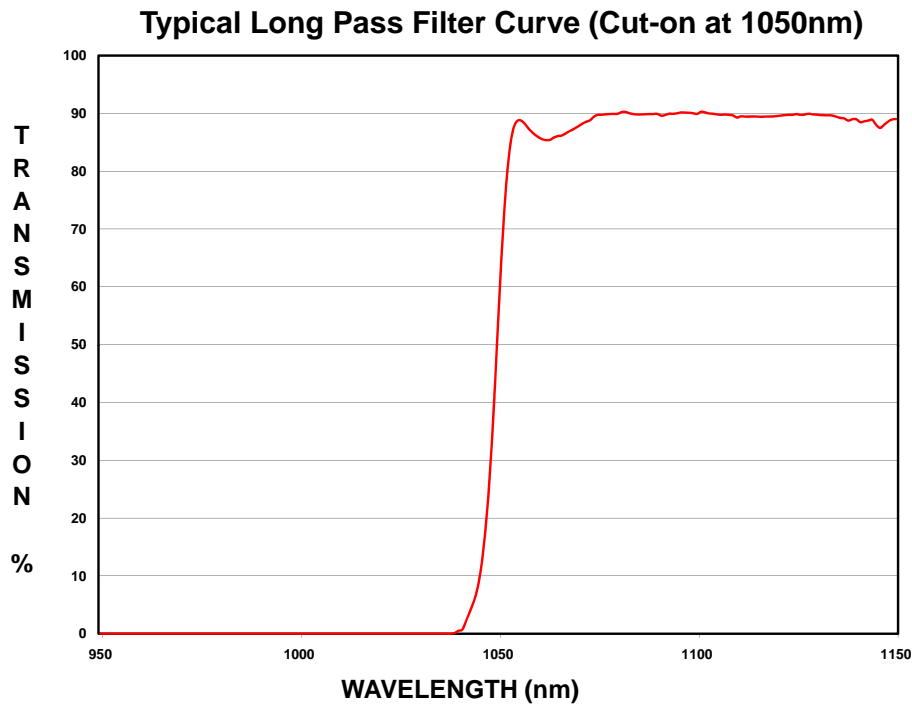


**Cut-On Tolerance (#0 @ 50% of peak)**



**Rejection**

**Cut-On Slope**



## Long Pass Filters: Ordering Information

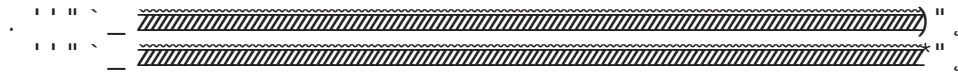
CUT-ON WAVELENGTH (nm)	25.4 mm Dia. (Mounted)	12.7 mm Dia. (Mounted)
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#' '' ''	\$Ž' *' *)''	\$Ž' *''+'

*Custom OEM Filter Specifications Provided Upon Request*

## Short Pass Filters: Standard Specifications

**Transmission Region**  $\lambda_1$  to  $\lambda_2$  (whichever is the higher  $\rightarrow$ )

**Minimum Peak Transmission**



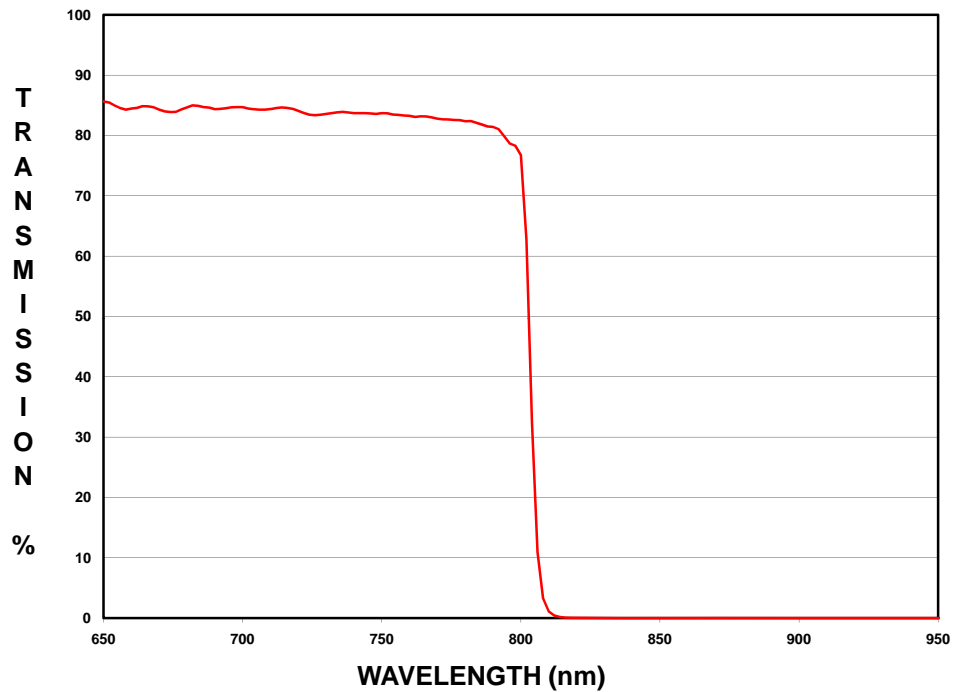
**Cut-O Tolerance** (#0  $\rightarrow$  @ 50% of peak)



**Rejection**  $\lambda > \lambda_c$  (1.3 times cut-off  $\rightarrow$ )

**Cut-O Slope**  $\lambda_c \pm \Delta\lambda$

**Typical Short Pass Filter Curve (Cut-off at 800nm)**



## Short Pass Filters: Ordering Information

CUT-OFF WAVELENGTH (nm)	25.4 mm Dia. (Mounted)	12.7 mm Dia. (Mounted)
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' " "	\$Z' * " #	\$Z' * % #
' ' "	\$Z' * " \$	\$Z' * % \$
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(' "	\$Z' * " &	\$Z' * % &
) " "	\$Z' * " '	\$Z' * %'
)' "	\$Z' * " (	\$Z' * % (
* " "	\$Z' * " )	\$Z' * % )
*' "	\$Z' * " *	\$Z' * % *
+ " "	\$Z' * " +	\$Z' * % +
+ ' "	\$Z' * # "	\$Z' * & "
# " " "	\$Z' * # #	\$Z' * & #

Custom OEM Filter Specifications Provided Upon Request



# Edge Filters 2010 Catalog

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FW; +) \* Ž) \$Ž#) " " † 8Sj , +) \* Ž) \$Ž' " #)  
7\_ S[ ^eS^2 abfa\_ WqUežh\_  
GD>, i i i žabfa\_ WqUežh\_

 **Optometrics Corporation**  
3 6k` Se[^5a\_ bS` k

EbWJ[S^e| Vē adafZVlegTefcSfVē ShS[ST Vž  
CgS` f[fk V[eUag` feShS[ST MS` V A 7? [ cg[dVēi Wkha\_ Vž  
8ad\_ adM[ Xad\_ Sf[a` † Ua` fSUF A bfa\_ WqUe5acbaSf[a`  
Sf eS^2 abfa\_ WqUežh\_ ž

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