

Graded Design

$\Delta = 0.363 \%$

$n_1 = 1.444$

$a = 40$  micrometer.

Alpha: Variable ::::: DMD in ps/km

$$n(r) = \begin{cases} n_1 \left[ 1 - 2\Delta (r/a)^\alpha \right]^{1/2} & 0 \leq r \leq a \\ n_2 & r \geq a \end{cases}$$



