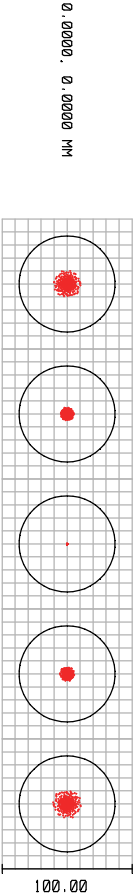


DATE : THU FEB 23 2017
FILE NAME : 20161102 SINGLE MODE FIBER GRIN LENS 750 HZ.ZMX
TITLE : 20160909 SINGLE MODE FIBER GRIN LENS.ZMX
UNITS : MILLIMETERS
EFL : 1.50707 BFL : -5.66492
TOTAL TRACK : 12.929
ELEMENT COUNT : 2
WORKING F/# : 22.7934
IMAGE HEIGHT : 0
ENTR PUP DIA : 0.0994008
EXIT PUP POS : -0.221603
ENTR PUP POS : -7.43644
FIELD TYPE : PARAXIAL IMAGE HEIGHT IN MILLIMETERS
X-VALUE Y-VALUE WEIGHT
1 0.000000 0.000000 1.000000
WAVELENGTHS IN μ m:
VALUE WEIGHT
1 1.330000 1.000000

COMMENTS:
80UM THORLABS FIBER, 0.18NA
STD GRINTECH 0.2NA
YMAX = 0.325 MM
ALPHA MAX = 4.55 DEG
TSNA = 0.022
FIR GAP = 4 MM
WD = 7.1 MM
EDU = 1.5 MM
DX = 25 UM
DOF = 3.4 MM
NPX = 115 (AIR), 150 (WATER) 23 KPX

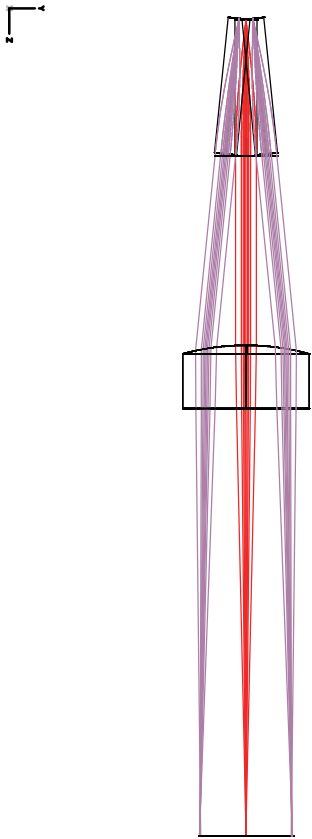


-500 -250 0 250 500
< - DEFOCUS IN μ m ->

THROUGH FOCUS SPOT DIAGRAM

20160909 SINGLE MODE FIBER GRIN LENS.ZMX
THU FEB 23 2017 UNITS ARE μ m. AIRY RADII : 36.98 μ m
FIELD :
RMS RADII : 0.069
CEO RADII : 0.248
SCALE BRK : 100
REFERENCE : CHIEF RAY

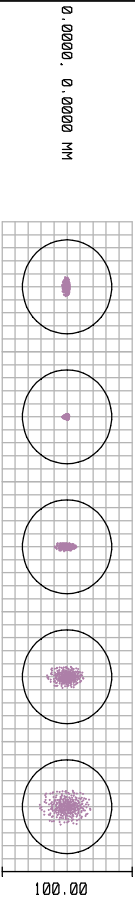
20161102 SINGLE MODE FIBER GRIN LENS 750 HZ.ZMX
CONFIGURATION 1 OF 3



3D LAYOUT

20160909 SINGLE MODE FIBER GRIN LENS.ZMX
THU FEB 23 2017

20161102 SINGLE MODE FIBER GRIN LENS 750 HZ.ZMX
CONFIGURATIONS 1, 2, 3



-500 -250 0 250 500
< - DEFOCUS IN μ m ->

THROUGH FOCUS SPOT DIAGRAM

20160909 SINGLE MODE FIBER GRIN LENS.ZMX
THU FEB 23 2017 UNITS ARE μ m. AIRY RADII : 35.18 μ m
FIELD :
RMS RADII : 3.474
CEO RADII : 9.599
SCALE BRK : 100
REFERENCE : CHIEF RAY

20161102 SINGLE MODE FIBER GRIN LENS 750 HZ.ZMX
CONFIGURATION 3 OF 3