

O p T a l i X - Pro 64-bit

Version 9.25

by OPTENSO
Optical Engineering Software
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Support: info@optenso.com

License assigned to : FHNW 2017-29
License No. : 79103051
Upgrades valid through : 31.March 2018
Number of processors : 20

FILE = Proclearn MF D -2.00 Ferne.otx

29.Jul.2021 12:51

Wavelength : 0.54600
Weight : 1
REF = 1

XAN	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	0.00000					
YAN	0.00000	5.00000	10.00000	15.00000	20.00000	25.00000
	30.00000	-5.00000	-10.00000	-15.00000	-20.00000	-25.00000
	-30.00000					
FWGT	100	100	100	100	100	100
	100	100	100	100	100	100
	100					
FACT	1	1	1	1	1	1
	1	1	1	1	1	1
	1					

PIM = no
SYM = no

#	TYPE	RADIUS	DISTANCE	GLASS	INDEX	APE-Y	AP	CP	DP	TP	MP	GLB
OBJ	S	Infinity	0.10000E+16		1.000000	0.00	C	0	0	0	0	0
1>U		9.1200	0.10000	380500	1.381811	7.20	C	0	0	0	0	0
2	S	8.7000	0.01000	336500	1.337602	7.20	C	0	0	0	0	0
3	A	8.1000	0.50000	376500	1.377792	6.00	C	0	0	0	0	0
4	S	6.8000	3.10000	336500	1.337602	6.00	C	0	0	0	0	0
STO	S	Infinity	0.00000	336500	1.337602	2.40	C	0	0	0	0	0
6	S	10.0000	3.60000	409500	1.410950	5.90	C	0	0	0	0	0
7	A	-6.0000	20.36737	336500	1.337602	5.90	C	0	0	0	0	0
8	S	-11.0000	0.00000		1.000000	10.00	C	0	0	0	0	0
IMG	S	Infinity		336500	1.337602	10.00	C	0	0	0	0	0

SPECIAL SURFACE APERTURES :

#	APE_X	APE_Y	ADX	ADY	ARO	
5 1 on	2.4000	2.4000	0.0000	0.0000	0.0000	CIR transmit
2 on	0.0000	0.0000	0.0000	0.0000	0.0000	CIR obstruct

ASPHERES:

#	Type	K	A	B	C	D
		KX	E	F	G	H
3	EVEN	-0.2500000000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
		0.0000000000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
#	Type	K	A	B	C	D
		KX	E	F	G	H
7	EVEN	-5.6057871000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00
		0.0000000000	0.00000000E+00	0.00000000E+00	0.00000000E+00	0.00000000E+00

User Defined Surface (UDS) Data on Surface : 1

Coeff	Parameter	Var
C1	0.5000000000E+01	
C10	0.9173630000E+01	
C11	0.8872460000E+01	v
C12	0.8938300000E+01	v
C13	0.8800000000E+01	
C14	0.8595430000E+01	

C15	0.1150000000E+01	
C16	0.1600000000E+01	
C17	0.2000000000E+01	
C18	0.2500000000E+01	
C19	0.7200000000E+01	
C20	0.3441330000E+00	
C21	-0.4395110000E+00	v
C22	0.9695800000E-01	v
C23	0.1600000000E+00	
C24	-0.2913400000E+00	
C91	0.9990000000E+03	

FIRST ORDER DATA AT INFINITE CONJUGATES:

EFL	19.21764	SH1 (Princ.Plane 1)	12.93177
FNO	3.60589	SH2 (Princ.Plane 2)	-19.31170

FIRST ORDER DATA AT USED CONJUGATE:

MAG (Magnification)	0.00000	SEP (Entr.Pup.Loc.)	3.07969
NAO (Num.ape.object)	0.00000	EPD (Entr.Pup.Dia.)	5.32952
NA (Num.ape.image)	0.13866	APD (Exit Pup.Dia.)	10.96511
BFL	-0.09407	SAP (Exit Pup.Loc.)	-39.52768
DEF (Defocus)	0.09407	PRD pupil relay dist	-14.93000
IMD (Image distance)	0.00000	OAL (S1->Image)	27.67737
OID (Object->Image)	0.10000E+16	SYL (System Length)	27.67737