

Quindos Measuring Report



3D-Application Center

Description	HOLDER, LASER MIRR	Customer	R. ATKINSON
Drawing Number	PF-391-210-73	Serial Number	001
Remarks		Article Number	
Supplier	MFD	Delivery Date	
Delivery Note		Delivery Volume	
Lot Number		Lot Size	
Test Schedule		Sample Size	
Production Machine		Production Tool	
Production Date		Production Time	
Order	24327-9	Department	MET. QUALITY INSPEC
Inspector	kcaban	Inspection Date	28-JAN-2009, 07:29:23
Measuring Device	PMM 12 10 6 #496	Measuring Program	Quindos7 - V 7.1.8350-B
User Name	kcaban	WKP Name	PF39121073

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
DAT\$PLA_A		PLA					
FORM		0.00004					
DAT\$CYL_B		CYL					
FORM		0.00006					
DM		1.99962	2.00000	0.00500	-0.00500	-0.00038	
DAT\$PLA_C		PLA					
PA_PXPZ		45.01023	45.00000	0.50000	-0.50000	0.01023	
PLA_ANG		PLA					
FORM		0.00015					
PA_PXPY		45.04776	45.00000	0.50000	-0.50000	0.04776	
PA_PXPZ		44.74484	45.00000	0.50000	-0.50000	-0.25516	
PA_PYPZ		44.69709	45.00000	0.50000	-0.50000	-0.30291	
AXI_45		AXI					
PA_PYPX		-45.04776	45.00000	0.50000	-0.50000	0.04776	
VIEW_B		AXI					
DX		0.87404	0.87000	0.02000	-0.02000	0.00404	
DZ		-1.24829	1.25000	0.02000	-0.02000	-0.00171	
CYL_P625		CYL					
DM		0.62461	0.62500	0.00500	-0.00500	-0.00039	
POS_P625		AXI					
POSITN		0.00473	0.00000	0.01000		0.00473	
MMCADD		0.00528					
POSMC		0.00473	0.00000	0.01528	0.00000	0.00473	
POS_440(1)		AXI					
POSITN		0.00137	0.00000	0.01100	0.00000	0.00137	
CSINK_P19		CON					
FORM		0.00003					
CON_DM		0.19647	0.19000	0.02000	-0.02000	0.00647	
CONANG		89.89752	90.00000	0.50000	-0.50000	-0.10248	
X		-0.60098	0.60000	0.02000	-0.02000	0.00098	

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
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CSINK_P19		CON					Graphic
Y		0.59911	0.60000	0.02000	-0.02000	-0.00089	
Z		-0.09841	0.09400	0.00500	-0.00500	0.00441	
XY		0.84859	0.84900	0.00500	-0.00500	-0.00041	

RAD_MAX_P13		CON					Graphic
CON_DM		0.19628	0.26000	0.00000	-0.26000	-0.06372	
CONANG		89.94320	90.00000	0.50000	-0.50000	-0.05680	
X		-0.60016	0.60000	0.02000	-0.02000	0.00016	
Y		-0.25641	0.32000	0.02000	-0.02000	-0.06359	
Z		-0.09824	0.09400	0.00500	-0.00500	0.00424	

ANG_45(1)		PLA					Graphic
PA_PXPZ		45.00187	45.00000	0.50000	-0.50000	0.00187	

PLA_90		ANG					Graphic
ANG		89.93059	90.00000	0.50000	-0.50000	-0.06941	

DIST_P094		AXI					Graphic
X		-0.60000	0.60000	0.02000	-0.02000	0.00000	
Z		-0.09797	0.09400	0.00500	-0.00500	0.00397	

DIST_P250		POI					Graphic
Z		-0.25741	0.25000	0.00500	-0.00500	0.00741	

MANUAL MEASUREMENTS			
DIMENSION	TOLERANCE	ACTUAL	ACCEPTABLE/REJECT
0.360	± 0.005	0.35936	ACCEPTABLE
1.624	± 0.005	1.62500	ACCEPTABLE
1.060	± 0.005	1.05758	ACCEPTABLE
1.500	± 0.005	1.49950	ACCEPTABLE
POS	0.010	0.00040	ACCEPTABLE
2X R .62	± 0.020	0.62518	ACCEPTABLE
4X 4-40 UNC 2B	-----	OK	ACCEPTABLE
POS	0.011	0.0038	ACCEPTABLE

Quindos Measuring Report



3D-Application Center

Description	HOLDER, LASER MIRR	Customer	R. ATKINSON
Drawing Number	PF-391-210-73	Serial Number	002
Remarks		Article Number	
Supplier	MFD	Delivery Date	
Delivery Note		Delivery Volume	
Lot Number		Lot Size	
Test Schedule		Sample Size	
Production Machine		Production Tool	
Production Date		Production Time	
Order	24327-9	Department	MET. QUALITY INSPEC
Inspector	kcaban	Inspection Date	28-JAN-2009, 07:59:53
Measuring Device	PMM 12 10 6 #496	Measuring Program	Quindos7 - V 7.1.8350-B
User Name	kcaban	WKP Name	PF39121073

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
DAT\$PLA_A		PLA					
FORM		0.00005					
DAT\$CYL_B		CYL					
FORM		0.00006					
DM		2.00030	2.00000	0.00500	-0.00500	0.00030	
DAT\$PLA_C		PLA					
PA_PXPZ		45.00227	45.00000	0.50000	-0.50000	0.00227	
PLA_ANG		PLA					
FORM		0.00013					
PA_PXPY		45.05022	45.00000	0.50000	-0.50000	0.05022	
PA_PXPZ		44.74256	45.00000	0.50000	-0.50000	-0.25744	
PA_PYPZ		44.69234	45.00000	0.50000	-0.50000	-0.30766	
AXI_45		AXI					
PA_PYPX		-45.05022	45.00000	0.50000	-0.50000	0.05022	
VIEW_B		AXI					
DX		0.87435	0.87000	0.02000	-0.02000	0.00435	
DZ		-1.24888	1.25000	0.02000	-0.02000	-0.00112	
CYL_P625		CYL					
DM		0.62490	0.62500	0.00500	-0.00500	-0.00010	
POS_P625		AXI					
POSITN		0.00484	0.00000	0.01000		0.00484	
MMCADD		0.00502					
POSMMC		0.00484	0.00000	0.01502	0.00000	0.00484	
POS_440(1)		AXI					
POSITN		0.00349	0.00000	0.01100	0.00000	0.00349	
CSINK_P19		CON					
FORM		0.00003					
CON_DM		0.19655	0.19000	0.02000	-0.02000	0.00655	
CONANG		89.89149	90.00000	0.50000	-0.50000	-0.10851	
X		-0.60083	0.60000	0.02000	-0.02000	0.00083	

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
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CSINK_P19		CON					
Y		0.59892	0.60000	0.02000	-0.02000	-0.00108	
Z		-0.09846	0.09400	0.00500	-0.00500	0.00446	
XY		0.84836	0.84900	0.00500	-0.00500	-0.00064	

RAD_MAX_P13		CON					
CON_DM		0.19645	0.26000	0.00000	-0.26000	-0.06355	
CONANG		89.95363	90.00000	0.50000	-0.50000	-0.04637	
X		-0.59996	0.60000	0.02000	-0.02000	-0.00004	
Y		-0.25660	0.32000	0.02000	-0.02000	-0.06340	-0.04340
Z		-0.09830	0.09400	0.00500	-0.00500	0.00430	

ANG_45(1)		PLA					
PA_PXPZ		44.98508	45.00000	0.50000	-0.50000	-0.01492	

PLA_90		ANG					
ANG		89.93268	90.00000	0.50000	-0.50000	-0.06732	

DIST_P094		AXI					
X		-0.59985	0.60000	0.02000	-0.02000	-0.00015	
Z		-0.09803	0.09400	0.00500	-0.00500	0.00403	

DIST_P250		POI					
Z		-0.25767	0.25000	0.00500	-0.00500	0.00767	0.00267

MANUAL MEASUREMENTS			
DIMENSION	TOLERANCE	ACTUAL	ACCEPTABLE/REJECT
0.360	± 0.005	0.35936	ACCEPTABLE
1.624	± 0.005	1.62500	ACCEPTABLE
1.060	± 0.005	1.05758	ACCEPTABLE
1.500	± 0.005	1.49950	ACCEPTABLE
POS	0.010	0.00040	ACCEPTABLE
2X R .62	± 0.020	0.62518	ACCEPTABLE
4X 4-40 UNC 2B	-----	OK	ACCEPTABLE
POS	0.011	0.0038	ACCEPTABLE

Quindos Measuring Report



3D-Application Center

Description	HOLDER, LASER MIRR	Customer	R. ATKINSON
Drawing Number	PF-391-210-73	Serial Number	003
Remarks		Article Number	
Supplier	MFD	Delivery Date	
Delivery Note		Delivery Volume	
Lot Number		Lot Size	
Test Schedule		Sample Size	
Production Machine		Production Tool	
Production Date		Production Time	
Order	24327-9	Department	MET. QUALITY INSPEC
Inspector	kcaban	Inspection Date	28-JAN-2009, 08:37:27
Measuring Device	PMM 12 10 6 #496	Measuring Program	Quindos7 - V 7.1.8350-B
User Name	kcaban	WKP Name	PF39121073

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
DAT\$PLA_A		PLA					
FORM		0.00003					
DAT\$CYL_B		CYL					
FORM		0.00005					
DM		2.00011	2.00000	0.00500	-0.00500	0.00011	
DAT\$PLA_C		PLA					
PA_PXPZ		45.00190	45.00000	0.50000	-0.50000	0.00190	
PLA_ANG		PLA					
FORM		0.00014					
PA_PXPY		45.04721	45.00000	0.50000	-0.50000	0.04720	
PA_PXPZ		44.74412	45.00000	0.50000	-0.50000	-0.25588	
PA_PYPZ		44.69692	45.00000	0.50000	-0.50000	-0.30308	
AXI_45		AXI					
PA_PYPX		-45.04721	45.00000	0.50000	-0.50000	0.04720	
VIEW_B		AXI					
DX		0.87577	0.87000	0.02000	-0.02000	0.00577	
DZ		-1.25078	1.25000	0.02000	-0.02000	0.00078	
CYL_P625		CYL					
DM		0.62458	0.62500	0.00500	-0.00500	-0.00042	
POS_P625		AXI					
POSITN		0.00331	0.00000	0.01000		0.00331	
MMCADD		0.00532					
POSMMC		0.00331	0.00000	0.01532	0.00000	0.00331	
POS_440(1)		AXI					
POSITN		0.00333	0.00000	0.01100	0.00000	0.00333	
CSINK_P19		CON					
FORM		0.00004					
CON_DM		0.19662	0.19000	0.02000	-0.02000	0.00662	
CONANG		89.87067	90.00000	0.50000	-0.50000	-0.12933	
X		-0.60137	0.60000	0.02000	-0.02000	0.00137	

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
Date: 28-Jan-09, 08:37:27		PF39121073				Page 1 of 2	

CSINK_P19		CON					
Y		0.59821	0.60000	0.02000	-0.02000	-0.00179	
Z		-0.09853	0.09400	0.00500	-0.00500	0.00453	
XY		0.84824	0.84900	0.00500	-0.00500	-0.00076	

RAD_MAX_P13		CON					
CON_DM		0.19657	0.26000	0.00000	-0.26000	-0.06343	
CONANG		90.06505	90.00000	0.50000	-0.50000	0.06505	
X		-0.60059	0.60000	0.02000	-0.02000	0.00059	
Y		-0.25726	0.32000	0.02000	-0.02000	-0.06274	
Z		-0.09817	0.09400	0.00500	-0.00500	0.00417	

ANG_45(1)		PLA					
PA_PXPZ		45.03621	45.00000	0.50000	-0.50000	0.03621	

PLA_90		ANG					
ANG		89.89318	90.00000	0.50000	-0.50000	-0.10682	

DIST_P094		AXI					
X		-0.60045	0.60000	0.02000	-0.02000	0.00045	
Z		-0.09797	0.09400	0.00500	-0.00500	0.00397	

DIST_P250		POI					
Z		-0.25757	0.25000	0.00500	-0.00500	0.00757	

MANUAL MEASUREMENTS			
DIMENSION	TOLERANCE	ACTUAL	ACCEPTABLE/REJECT
0.360	± 0.005	0.35936	ACCEPTABLE
1.624	± 0.005	1.62500	ACCEPTABLE
1.060	± 0.005	1.05758	ACCEPTABLE
1.500	± 0.005	1.49950	ACCEPTABLE
POS	0.010	0.00040	ACCEPTABLE
2X R .62	± 0.020	0.62518	ACCEPTABLE
4X 4-40 UNC 2B	-----	OK	ACCEPTABLE
POS	0.011	0.0038	ACCEPTABLE

Quindos Measuring Report



3D-Application Center

Description	HOLDER, LASER MIRR	Customer	R. ATKINSON
Drawing Number	PF-391-210-73	Serial Number	004
Remarks		Article Number	
Supplier	MFD	Delivery Date	
Delivery Note		Delivery Volume	
Lot Number		Lot Size	
Test Schedule		Sample Size	
Production Machine		Production Tool	
Production Date		Production Time	
Order	24327-9	Department	MET. QUALITY INSPEC
Inspector	kcaban	Inspection Date	28-JAN-2009, 09:19:59
Measuring Device	PMM 12 10 6 #496	Measuring Program	Quindos7 - V 7.1.8350-B
User Name	kcaban	WKP Name	PF39121073

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
DAT\$PLA_A		PLA					
FORM		0.00004					
DAT\$CYL_B		CYL					
FORM		0.00012					
DM		1.99981	2.00000	0.00500	-0.00500	-0.00019	
DAT\$PLA_C		PLA					
PA_PXPZ		45.00169	45.00000	0.50000	-0.50000	0.00169	
PLA_ANG		PLA					
FORM		0.00014					
PA_PXPY		45.05757	45.00000	0.50000	-0.50000	0.05757	
PA_PXPZ		44.75003	45.00000	0.50000	-0.50000	-0.24997	
PA_PYPZ		44.69246	45.00000	0.50000	-0.50000	-0.30754	
AXI_45		AXI					
PA_PYPX		-45.05757	45.00000	0.50000	-0.50000	0.05757	
VIEW_B		AXI					
DX		0.87437	0.87000	0.02000	-0.02000	0.00437	
DZ		-1.24876	1.25000	0.02000	-0.02000	-0.00124	
CYL_P625		CYL					
DM		0.62472	0.62500	0.00500	-0.00500	-0.00028	
POS_P625		AXI					
POSITN		0.00335	0.00000	0.01000		0.00335	
MMCADD		0.00521					
POSMMC		0.00335	0.00000	0.01521	0.00000	0.00335	
POS_440(1)		AXI					
POSITN		0.00207	0.00000	0.01100	0.00000	0.00207	
CSINK_P19		CON					
FORM		0.00005					
CON_DM		0.19650	0.19000	0.02000	-0.02000	0.00650	
CONANG		89.88874	90.00000	0.50000	-0.50000	-0.11126	
X		-0.60114	0.60000	0.02000	-0.02000	0.00114	

Text	Eval.	Actual	Nominal	Up.To1.	Low.To1.	Act-Nom	Graphic
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CSINK_P19		CON					Graphic
Y		0.59878	0.60000	0.02000	-0.02000	-0.00122	
Z		-0.09844	0.09400	0.00500	-0.00500	0.00444	
XY		0.84847	0.84900	0.00500	-0.00500	-0.00053	

RAD_MAX_P13		CON					Graphic
CON_DM		0.19641	0.26000	0.00000	-0.26000	-0.06359	
CONANG		90.01990	90.00000	0.50000	-0.50000	0.01990	
X		-0.60018	0.60000	0.02000	-0.02000	0.00018	
Y		-0.25665	0.32000	0.02000	-0.02000	-0.06335	
Z		-0.09817	0.09400	0.00500	-0.00500	0.00417	

ANG_45(1)		PLA					Graphic
PA_PXPZ		45.01938	45.00000	0.50000	-0.50000	0.01938	

PLA_90		ANG					Graphic
ANG		89.91423	90.00000	0.50000	-0.50000	-0.08577	

DIST_P094		AXI					Graphic
X		-0.59998	0.60000	0.02000	-0.02000	-0.00002	
Z		-0.09798	0.09400	0.00500	-0.00500	0.00398	

DIST_P250		POI					Graphic
Z		-0.25641	0.25000	0.00500	-0.00500	0.00641	

MANUAL MEASUREMENTS			
DIMENSION	TOLERANCE	ACTUAL	ACCEPTABLE/REJECT
0.360	± 0.005	0.35936	ACCEPTABLE
1.624	± 0.005	1.62500	ACCEPTABLE
1.060	± 0.005	1.05758	ACCEPTABLE
1.500	± 0.005	1.49950	ACCEPTABLE
POS	0.010	0.00040	ACCEPTABLE
2X R .62	± 0.020	0.62518	ACCEPTABLE
4X 4-40 UNC 2B	-----	OK	ACCEPTABLE
POS	0.011	0.0038	ACCEPTABLE