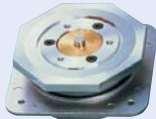


■ LIST OF TYPICAL MODELS

Model Item	PD30LA 	PD40LA 	PD40ERB 	PD60ER 	PD60EA 
Bearing structure	Ball bearing	Ball bearing	Ball bearing	Ball bearing	Ball bearing
Mirror size Number of facets×Inscribed circle diameter×Thickness (mm)	$6 \times \phi 40 \times 3$	$6 \times \phi 40 \times 4$	$8 \times \phi 40 \times 6$	$8 \times \phi 72 \times 6$	$8 \times \phi 55 \times 6$
Flatness (Wave length $\lambda = 632.8 \text{ nm}$)	$\lambda / 4$	$\lambda / 6$	$\lambda / 2$	$\lambda / 4$	$\lambda / 6$
Reflectivity Wave length: λ Incident angle: $i = 30^\circ$	85 % minimum $\lambda = 780 \text{ nm}$	85 % minimum $\lambda = 780 \text{ nm}$	85 % minimum $\lambda = 780 \text{ nm}$	85 % minimum $\lambda = 780 \text{ nm}$	85 % minimum $\lambda = 685 \text{ nm}$
Speed range (r/min)	1500 ~ 2000	1600 ~ 2800	3000 ~ 8000	5490	1500 ~ 5000
Dynamic pyramidal angle error Peak-peak / Adjacent (s)	120 / 60	60 / 30	90 / 60	60 / 30	60 / 30
Jitter P-P (%) / RF (%)	0.04 / 0.02	0.03 / 0.01	0.06 / 0.04	0.03 / 0.015	0.03 / 0.015
Supply voltage (V)	24				
Start up current (A)	0.6	0.8	1.0	2.2	0.1
Operating current (A)	0.4	0.4	0.5	0.4	0.6
Start up time (s)	12	15	15	6	30

QUICK REFERENCE TABLE

POLYGON LASER SCANNERS

PD60SRB	PD60LA	PT60SRG	PT22ERG	PTC30ERG
				
Ball bearing	Ball bearing	Air bearing	Air bearing	Air bearing
$16 \times \phi 84 \times 9$	$6 \times \phi 65 \times 12$	$18 \times \phi 65 \times 4$	$6 \times \phi 26 \times 3$	$8 \times \phi 40 \times 2$
$\lambda / 4$	$\lambda / 5$	$\lambda / 4$		
85 % minimum $\lambda = 780 \text{ nm}$	85 % minimum $\lambda = 632.8 \text{ nm}$	85 % minimum $\lambda = 632.8 \text{ nm}$	85 % minimum $\lambda = 780 \text{ nm}$	85 % minimum $\lambda = 780 \text{ nm}$
15000	1500 ~ 5000	27000	20000 ~ 50000	20000 ~ 60000
60 / 30	20 / 10	80 / 40	90 / 60	90 / 60
0.03 / 0.015	0.018 / 0.01	0.02 / 0.01	0.03 / 0.02	0.03 / 0.02
24				24 ~ 28
2.0	3.0	4.0	2.0	2.0
1.0	0.7	2.0	1.0	1.0
30	30	30	6.0	10

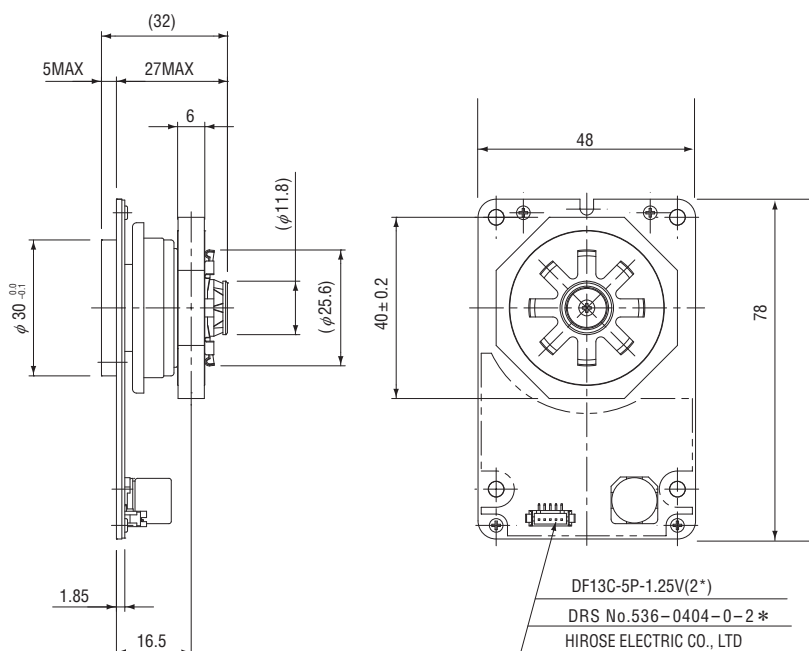
PD40ERB/PD60ER

POLYGON LASER SCANNERS

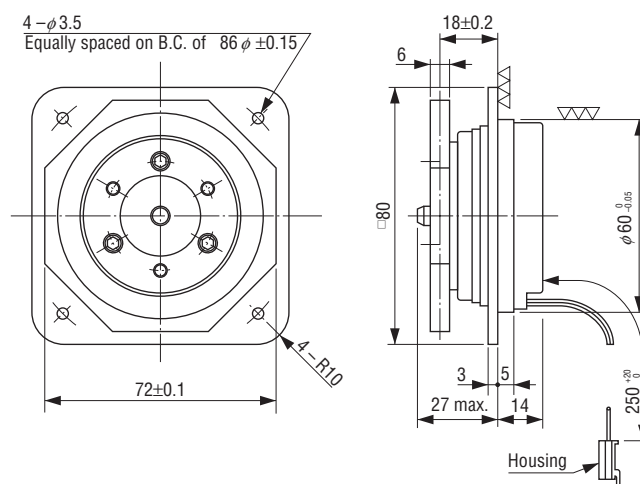
■ TYPICAL OUTLINE DIMENSIONS (SCANNER ASSEMBLY)

Unless otherwise specified, tolerance : ± 0.5 (Unit : mm)

PD40ERB



PD60ER



POLYGON LASER SCANNERS listed here are typical value.
All our production will be made upon receipt of your order.
Please contact your sales agent for details.