

Preliminary Data Sheet

Mini-DDV
Direct Drive Valve

Proportional Control Valve

D633-7 Series

ISO 4401 Size 03



D633-7 Series

Preliminary technical data

Datas may be change.
This data sheet is not released for customers.

Technical data

Model ... Type

Mounting pattern

Valve body version

Rated flow ($\pm 10\%$) at $\Delta p_N = 35$ bar per land

Response time*

Threshold* without dither signal

Threshold* with dither signal

Hysteresis* without dither signal

Null shift at $\Delta T = 55$ K

Null leakage flow* total, max.

Spool stroke

Rated signal

Coil resistance

Inductance

Operating pressure main stage: port P, A and B

port T

Temperature range

ambient

fluid

D633- 7

ISO 4401 - 03 - 03 - 0 - 94

4-way, 1-stage with bushing spool assembly

1 / 2,5 / 10 / 20

[l/min]

[ms] ca. 2

[%] < 1

[%] < 0,5

[%] < 10

[%] < 1,5

[l/min] < 3% from Q_N

[mm] $\pm 0,35$

[mA] 1 000

[Ω] 7

[mH] 50

[bar] 350

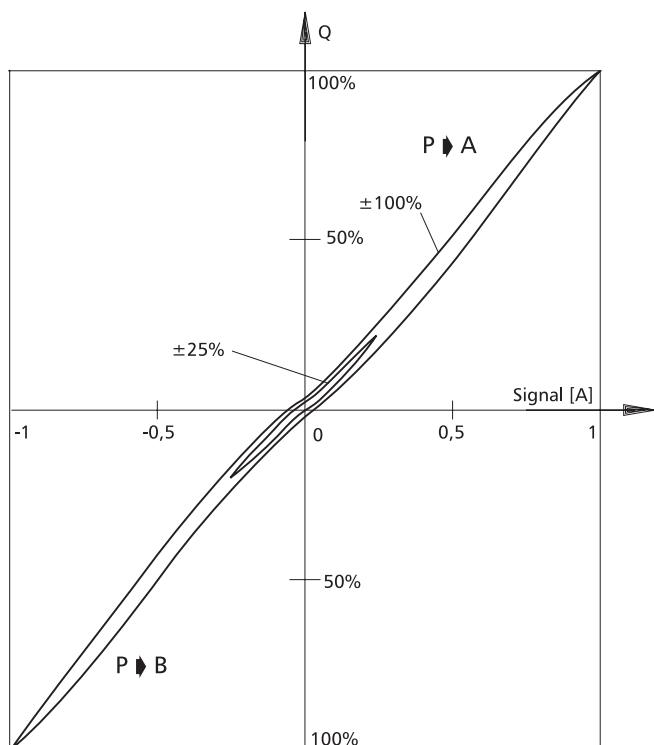
[bar] < 70

[$^{\circ}$ C] -20 to +60

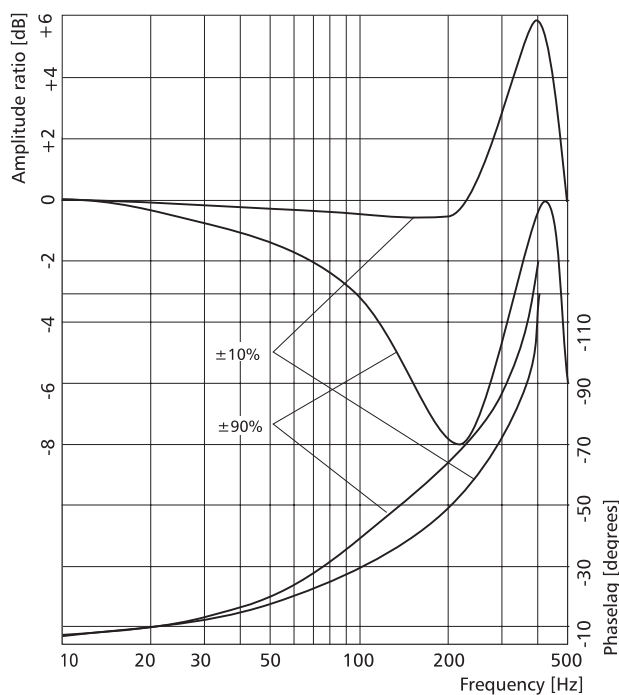
[$^{\circ}$ C] -20 to +80

* measured at 210 bar operating pressure and oil viscosity of 32 mm²/s

Flow vs. signal curve



Frequency response



MOOG GmbH
Hanns-Klemm-Str. 28
D71034 Böblingen
Telefon (07031) 622-0
Telefax (07031) 622-191
D633-7 - EN / 08.97