NISSHINBO

CS

Date	Oct. 25, 2022
Business Development Department Microwave Business Headquarters	
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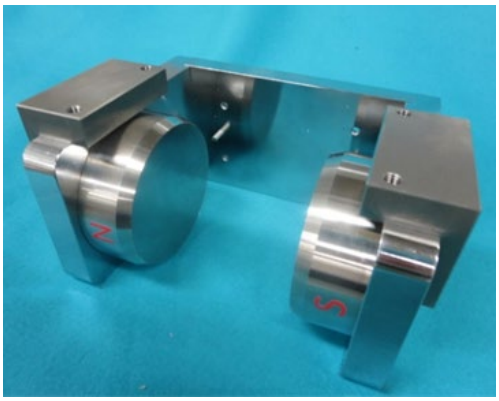
Permanent Magnet

Model No. NJZ1283B

■ GENERAL DESCRIPTION



NJZ1283B is a permanent magnet for the S-band magnetron intended primarily for linear accelerator.

The magnet is matched to magnetrons M1466Z or similar of Nisshinbo Micro Devices.

The magnet must be installed for operation this S-band magnetron.

This product is adapted on RoHS directive.

■ GENERAL CHARACTERISTICS

ELECTRICAL

PARAMETERS		Minimum	Maximum	Units
Magnetic field	(note 1 and 2)	128.0 1280	132.0 1320	mT gauss

MECHANICAL

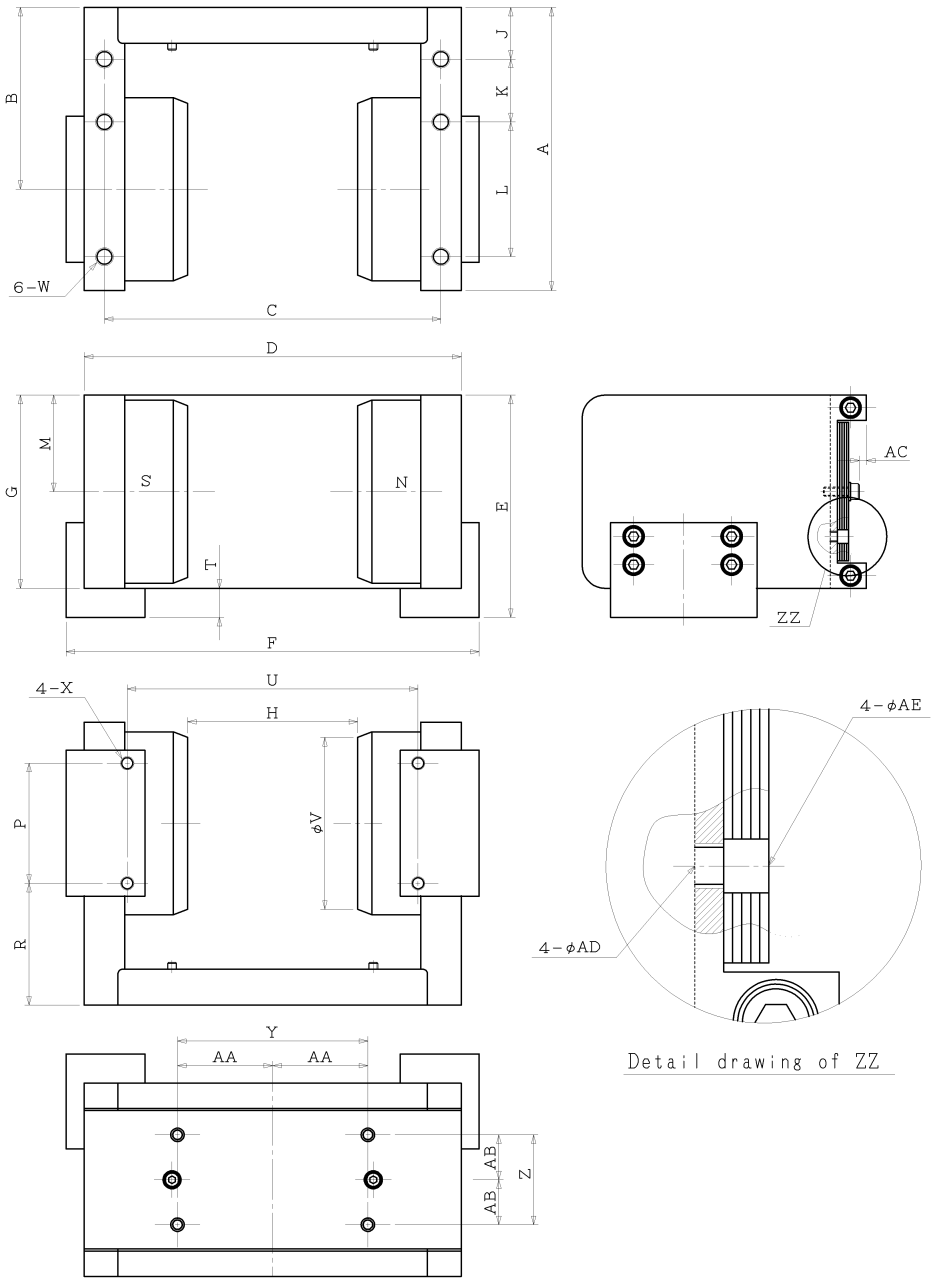
PARAMETERS	
Overall Dimensions	See outline
Net weight	8 kg approximately

Notes

1. The north seeking pole of the magnet must be adjacent to the cathode terminal, marked C on magnetron. The position of the magnet must be adjusted so that the axis of the field is in line with the axis of the anode and is at right angles to the H plane of the system waveguide.
2. Magnet must be within the following limits:
   (1) At the center of the pole face and 37.75 mm from the surface, the field must be 130.0 ± 2.0 mT (1300 ± 20 gauss).
   (2) At four or more points equi-spaced on a circle of 33 mm diameter concentric with the pole face and 6.35 mm from its surface, including a point nearest the back limb of the magnet, the field must be as follows. At all points the field must be between 8 and 20 mT (80 and 200 gauss) greater than the field measured at the center of the pole face; the variation between the point must not exceed 10 mT (100 gauss).

＊Above Specifications are subject to change without notice.

■ OUTLINE



Ref	Millimeters
A	126
B	81
C	149.3
D	167.3
E	99
F	183.3
G	86
H	75.5 ± 0.3
J	23
K	28
L	60
M	43
P	53.5± 0.1
R	54.3± 0.3
T	13
U	129
V	76.5 ± 0.2
W	M8 DEPTH13
X	M6 DEPTH13
Y	84.5 ± 0.3
Z	40 ± 0.3
AA	42.2±0.2
AB	20±0.2
AC	0.5min
AD	M5
AE	6

All dimensions without limits are nominal.

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