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**Released**

# X Band Diode Limiter

## Model No. NJS6943

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**Microwave Division**

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Title:

Datasheet of NJS6943

Reference No.:  
DS-S6943

Rev.:  
04E

Sheet:  
1/3

## ■ GENERAL DESCRIPTION

NJS6943 is designed for the high power limiter of radar system. It features a small size operable at any frequency between 9.30GHz and 9.50GHz. This diode limiter consists of the two stage limiter diodes, and no external trigger and no bias source are required.



## ■ ABSOLUTE MAXIMUM RATINGS

PARAMETERS	MINIMUM	MAXIMUM	UNITS
Maximum handling power	-	30	kW
Ambient temperature	-30	+90	°C
RF pulse width	-	1.5	μs

## ■ ELECTRICAL CHARACTERISTICS < at 25°C >

PARAMETERS	MINIMUM	MAXIMUM	UNITS
V.S.W.R. (Note 1)	-	1.5	-
Insertion loss (Note 1,3)	-	1.5	dB
Flat leakage power (Note 2,3)	-	150	mW
Spike leakage power (Note 2,3)	-	600	mW
Recovery to -3dB (Note 2,3)	-	0.5	μs

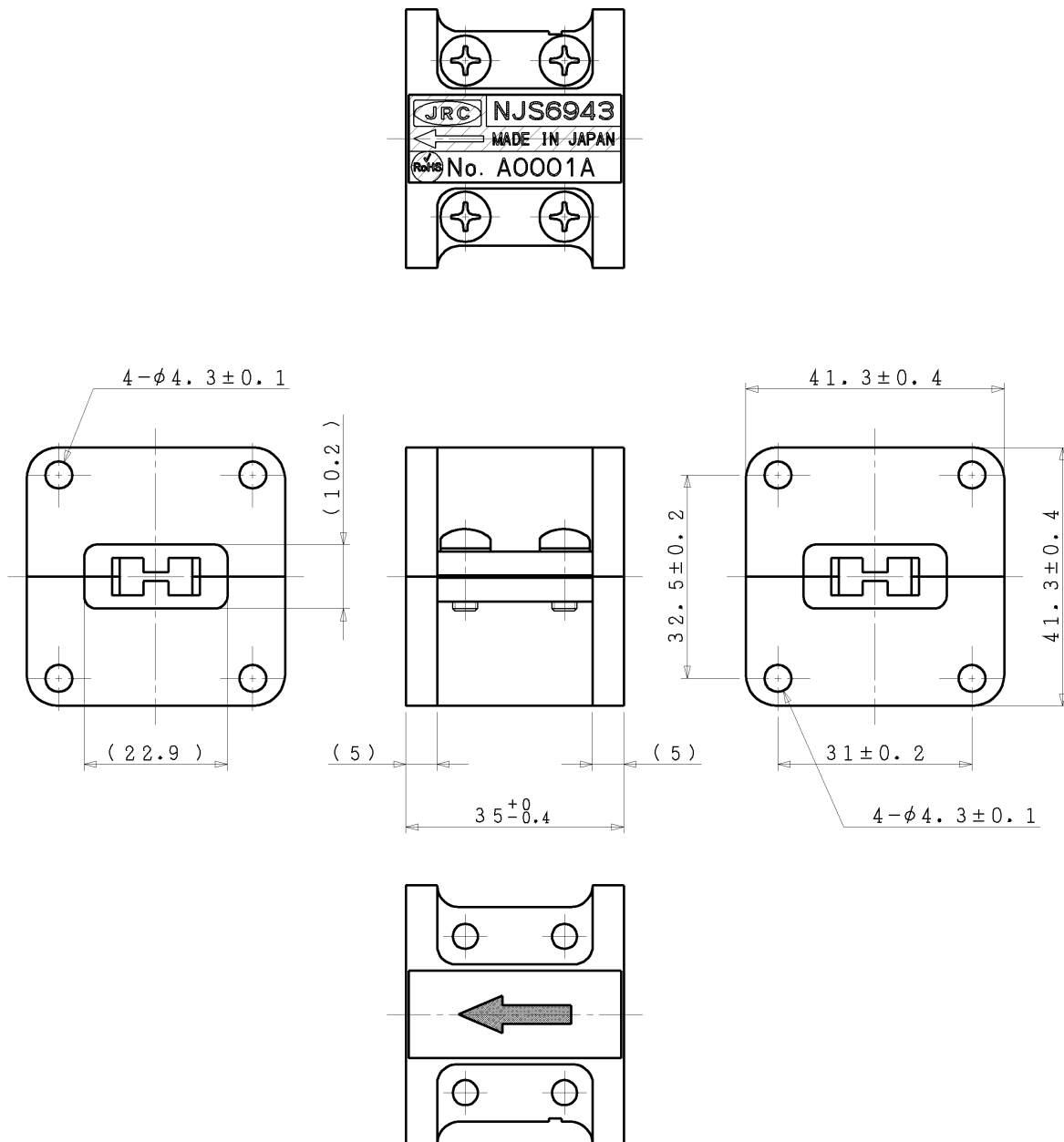
Note 1: Measured at power level 0.1mW CW.

Note 2: Measured at power level 3kW, 1.0μs pulse width and 1000pps.

Note 3: Measured at frequency 9.40GHz.

\* Above Specifications are subject to change without notice.

## ■ OUTLINE



(Dimensions are expressed in "mm".)

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