

## NJS6939

### X-Band Diode Limiter

NJS6939 is designed for the high power limiter of radar system. It features a small size operable at any frequency between 9.00GHz and 9.20GHz. This diode limiter consists of the two stage self biased limiter diodes and no external trigger and no bias is required.

#### ---- MAXIMUM RATINGS ----

	Min	Max	Unit
Maximum handling power(peak)	-	8	kW
Continuous handling power(peak)	-	4	kW
Ambient temperature	-30	+90	degree centigrade
RF pulse width	-	-	us

#### ---- ELECTRICAL ---- <at 25 degree centigrade>

	Min	Max	Unit
V.S.W.R.(Note 1,4)	-	1.5	-
Insertion loss(Note 1,4)	-	1.5	dB
Flat leakage power(Note 2,4)	-	150	mW
Spike leakage power(Note 2,4)	-	600	mW
Recovery time(Note3,4)	-	0.5	us

#### Note:

1. Measured at power level 0.1mW CW.
2. Measured at power level 3kW, 1.0us pulse width and 1,000pps.
3. Measured at power level 2kW, 1.0us pulse width and 1,000pps.
4. Measured at frequency 9.10GHz.

For further information on the use of the diode limiter, please contact New JRC. New JRC reserves the right to change the specification of goods without notice.

Rev.2

NJS6939

OUTLINE

Note: Dimensions are in mm

