

Released

X-band TR Limiter

Model No. TL368A

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Nisshinbo Micro Devices Inc.
Microwave Business Headquarters

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■ GENERAL DESCRIPTION

TL368A is a broad band primer less TR Limiter designed specifically for use with X-band radars. Consisting of a TR tube and a stage diode limiter, TL368A is a small, rugged device, which protects the LNA or the mixer diode in the receiver from burning out as a result of RF power coming from other radars. Non-radioactive isotope is included for the ignition.



■ ELECTRICAL CHARACTERISTICS < at 25 °C >

PARAMETERS	MINIMUM	MAXIMUM	UNITS
Frequency range	9300	9500	MHz
V.S.W.R. (Note 1)	-	1.5	-
Insertion loss (Note 1,4)	-	1.2	dB
Flat leakage power (Note 2,4)	-	25	mW
Spike leakage power (Note 3,4)	-	0.1	erg
Recovery time (Note 5)	-	0.9	μs

Note 1: Measured at input power level 0.1mW CW.

Note 2: Measured at 5kW, 0.8μs pulse width and 1000 p.p.s.

Note 3: Measured at 5kW, 0.1μs pulse width and 1000 p.p.s.

Note 4: Measured at frequency 9410 MHz.

Note 5: Measured at 25kW, 1.0μs pulse width and 1000 p.p.s. 3dB recovered point.

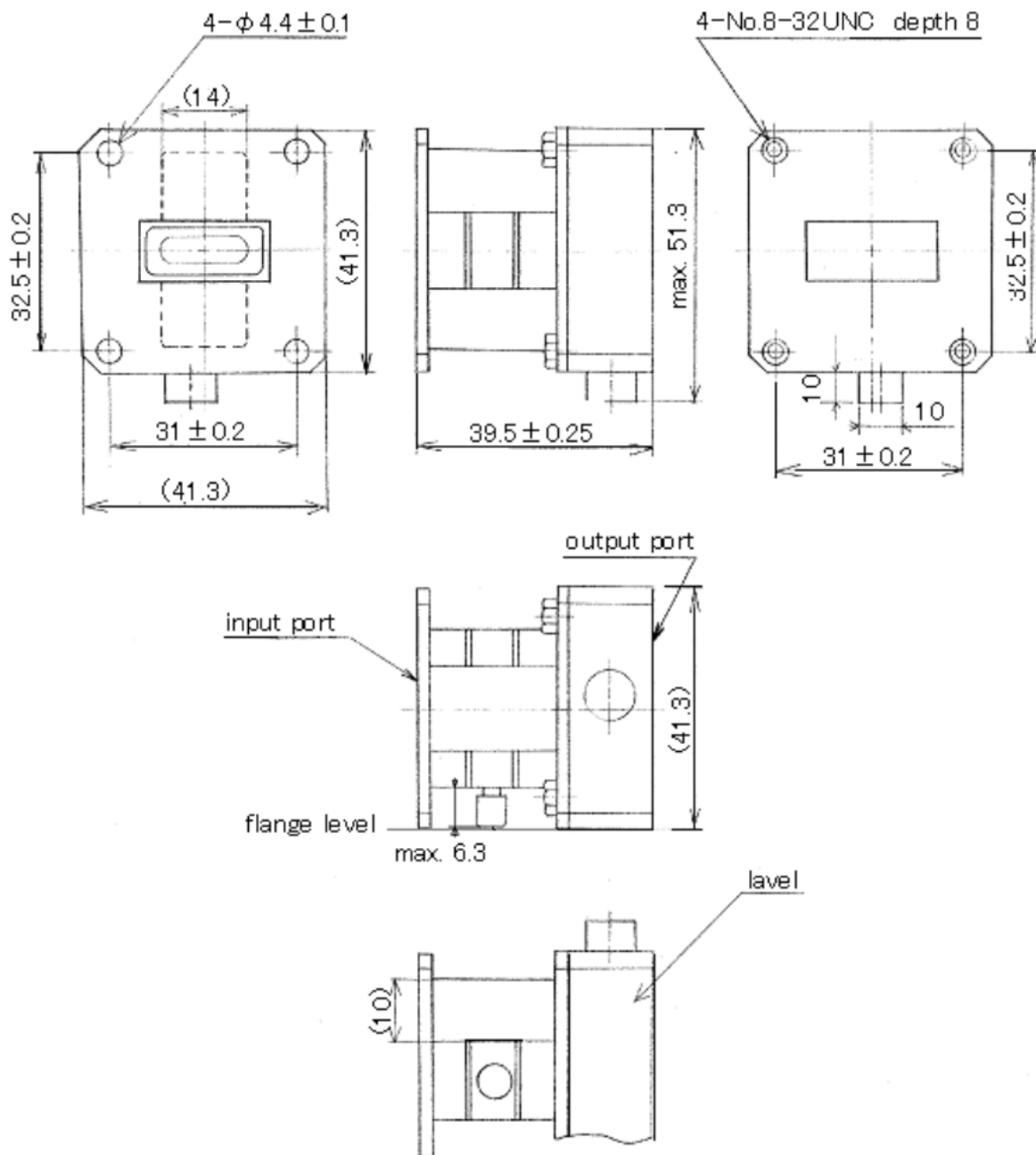
■ ABSOLUTE MAXIMUM RATINGS

These ratings cannot necessarily be used simultaneously and no individual ratings should be exceeded.

PARAMETERS	MINIMUM	MAXIMUM	UNITS
Transmitter power (Peak)	-	100	kW
Operating temperature	-30	+75	°C
Ambient temperature	-30	+90	°C
Pulse duration	-	1.2	μs

* Above Specifications are subject to change without notice.

■ OUTLINE



(Dimensions are expressed in "mm".)

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