

# product buleto

## NJC3901C X-Band Circulator

#### GENERAL DESCRIPTION

NJC3901Cis an X-band circulator designed for X-band radar application. It transmits power from the magnetron to the antenna as well as the receiving signal from the antenna to the receiver port.

### CHARACTERISTICS (TA=25±5°C, Pi is less than 10mW)

	•
Frequency range 9	1 4 A A + 1 A A A A A T T
Preduency range	44 U II 4   1 U B IVI M Z
Troduct remover to the second	2 4 6 6 Y 6 6 11 17 1 TO

#### Insertion loss

Port No. 1	to	Port No.	2	 0.	5	dB max

Port No. 2 to Port No. 3 .... 0. 5 dB max

Port No. 3 to Port No. 1 . . . . . . 0. 5 dB max

#### Isolation

Port No.	1	to	Port	No.	3	 	 	25	dΒ	mín

Port No. 3 to Port No. 2 ..... 25 dB min

Port No. 2 to Port No. 1 ..... 25 dB min

#### MAXIMUM AND MINIMUM RATINGS

	IVITII	iviax
Transmitter Power (average)		30 W
Transmitter Power (peak) (see note 1)		30 kW
Ambient temperature (non-operating) (see note 2)	-40	+100 °C
Ambient temperature (at operating) (see note 2)	-30	+70 °C

#### GENERAL

Overall dimensions	see Outline drawings
Waveguide	WR90

Cooling ..... air

#### NOTES

- 1. The V. S. W. R. looking into an antenna should be less than 2.
- 2. Avoid condensation and freezing of atmospheric moisture.

