

PCN CIRCULATOR WITH TAB CONNECTORS



GENERAL INFORMATION

This device is supplied for use in PCN base station amplifiers, supplied with Tab connectors they can be directly soldered to the pcb. The advantage of the Tab connector is a better electrical interface between the amplifier and the circulator by using a secure grounding at the connection point and by enabling a good 50 ohm path to be supplied right to the pcb track. As we are able to interface this connector directly with an SMA female we can eliminate the need for a separate test jig which gives a guaranteed performance which is not dependant on test jig configurations. A double junction version can be supplied to provide higher isolation. The circulators are manufactured to the high standards of Quality and Reliability associated with DML Microwave, at our U.K. facility. A similar device is available for GSM frequencies.

FEATURES

- Small Size
- Minimum Insertion Loss
- Single or Double Circulator

- Integral Load available
- High Quality Construction

SPECIFICATIONS

Frequency Range	925 - 960 MHz
Insertion Loss	0.2 dB max.
Isolation	23 dB min.
VSWR	1.25:1 max.
Power Rating	100 Watt CW
Impedance	50 W
Operating Temperature Range	-10 to +70 °C

NOTES

Connectors	Microstrip Launch
Dimensions	27.2 x 25.4 x 19 mm

DATA SHEET 7

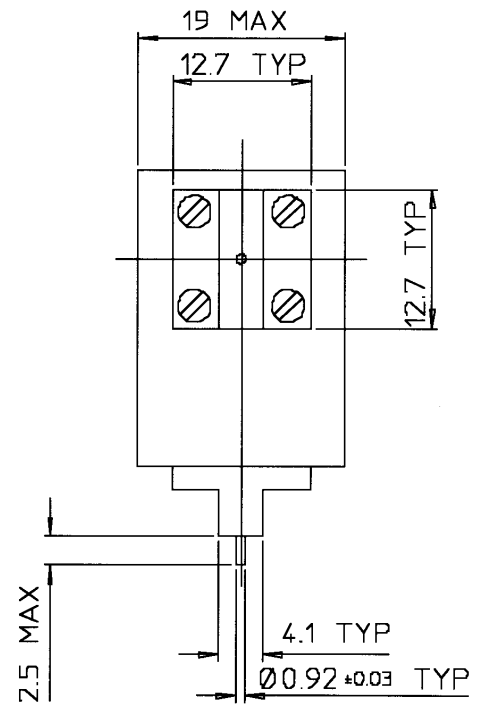
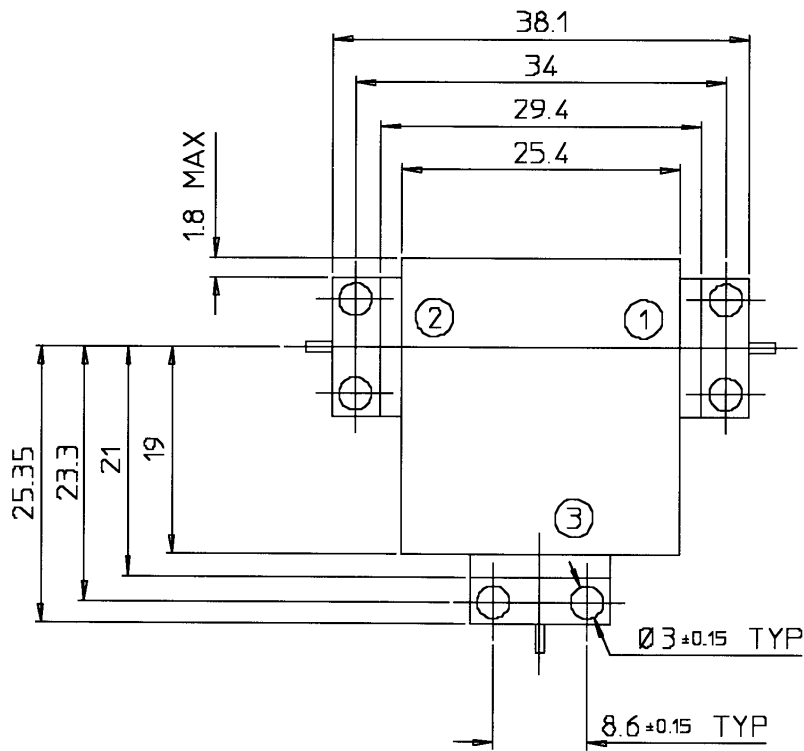
Edition 2



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BLOCK DIAGRAM & MECHANICAL OUTLINE



Dimensions in millimetres

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