

ISOHYBRID



GENERAL INFORMATION

To meet the demand for more compact and lower cost base stations DML Microwave have integrated the functions of Isolator and combiner into a single ISOHYBRID. This provides two isolators and a 90 ° hybrid in a single unit. This gives an electrical improvement by reducing the insertion loss and ensuring optimum matching compared with using separate devices. The unit is available for use in GSM, PCN and DCS systems providing the benefits of compact size and substantial cost savings.

FEATURES

- Small Size
- High Isolation
- High Quality Construction
- Custom Design Available
- Choice of Connectors N Type, SMA,TNC

SPECIFICATIONS

Frequency Range	925 - 960, 1805 -1880, or 1930 - 1990 MHz
Insertion Loss	3.4 dB max.
Isolation O/P - I/P	23 dB min.
Isolation I/P - I/P	48 dB min.
VSWR 1.20	1 max.
Power Rating (Forward)	45 Watt CW (Per channel)
Operating Temperature Range	-10 to + 70 °C
Impedance	50 W
Reverse Power	45 Watt (for 1 minute)

NOTES

Connectors	N type, SMA,TNC
Dimensions	77 x 65 x 26mm

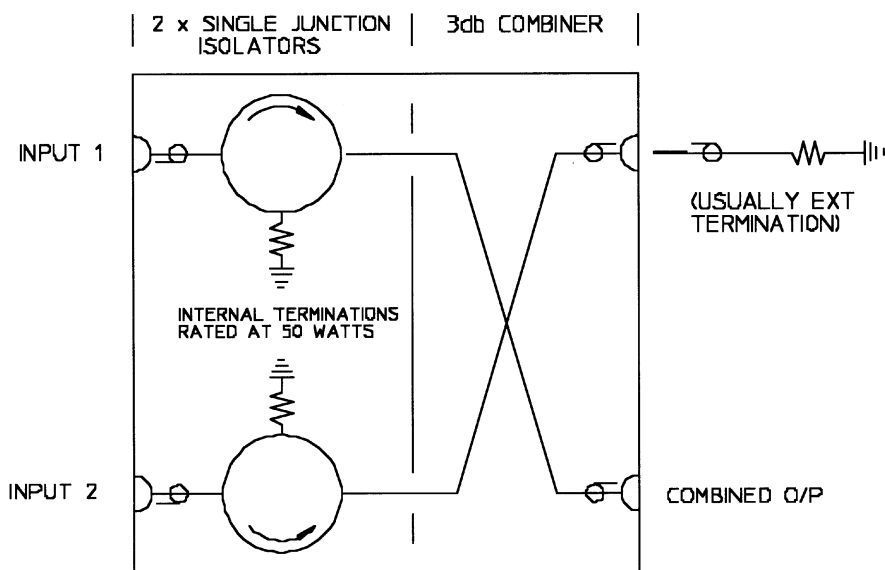
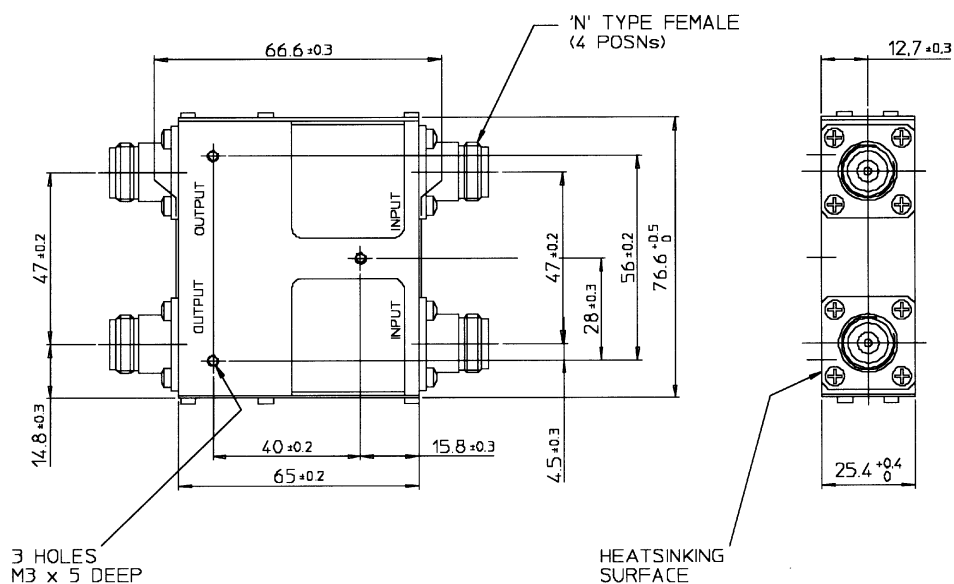
DATA SHEET 10	<i>Edition 2</i>
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BLOCK DIAGRAM & MECHANICAL OUTLINE



Dimensions in millimetres

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