

10 W BOOSTER AMPLIFIER EXTENDS POWER CAPABILITY OF GSM MICROCELL BASE STATIONS



GENERAL INFORMATION

The MCE DML Microwave Booster Amplifier increases the power capability of GSM Microcell Base Stations up to 10. The product is compact in size, highly efficient and has complied with the GSM 11.21 requirements. The reliability of these amplifiers has been proven in the field, a large number have already been installed.

ADVANTAGES

- Class 'A' operation
- Integral isolators
- +12 Volt operation
- Small mechanical outline
- Short delivery lead time
- Low cost
- GSM 1800 option available
- Gain options available

SPECIFICATIONS

Model No.	DMA 6192
Frequency range	917 - 960 MHz
Small signal gain	8.0 - 10.0 dB (over all operating conditions)
Gain variation with frequency	+/- 0.25 dB max
Gain variation with temperature	+/- 0.75 dB max @ -40° C to +85° C
Output power at -1 dB Compression at +25° C case temperature	+ 40.0 dBm min. +41.0 dBm typ.
Noise figure	10.0 dB max
Input / output VSWR	1.30 : 1 max (integral isolators) 50 Ω nom
Supply voltage	+ 12.0 Volts +/- 0.5 Volts
Supply current	2.8 Amps max 2.5 Amps typ.
Operating temperature range (case)	-40° C to + 85° C
Storage temperature range	-40° C to + 70° C
Humidity	Up to 95% non-condensing
RF connectors	SMA Female

DATA SHEET MD68

Edition 1

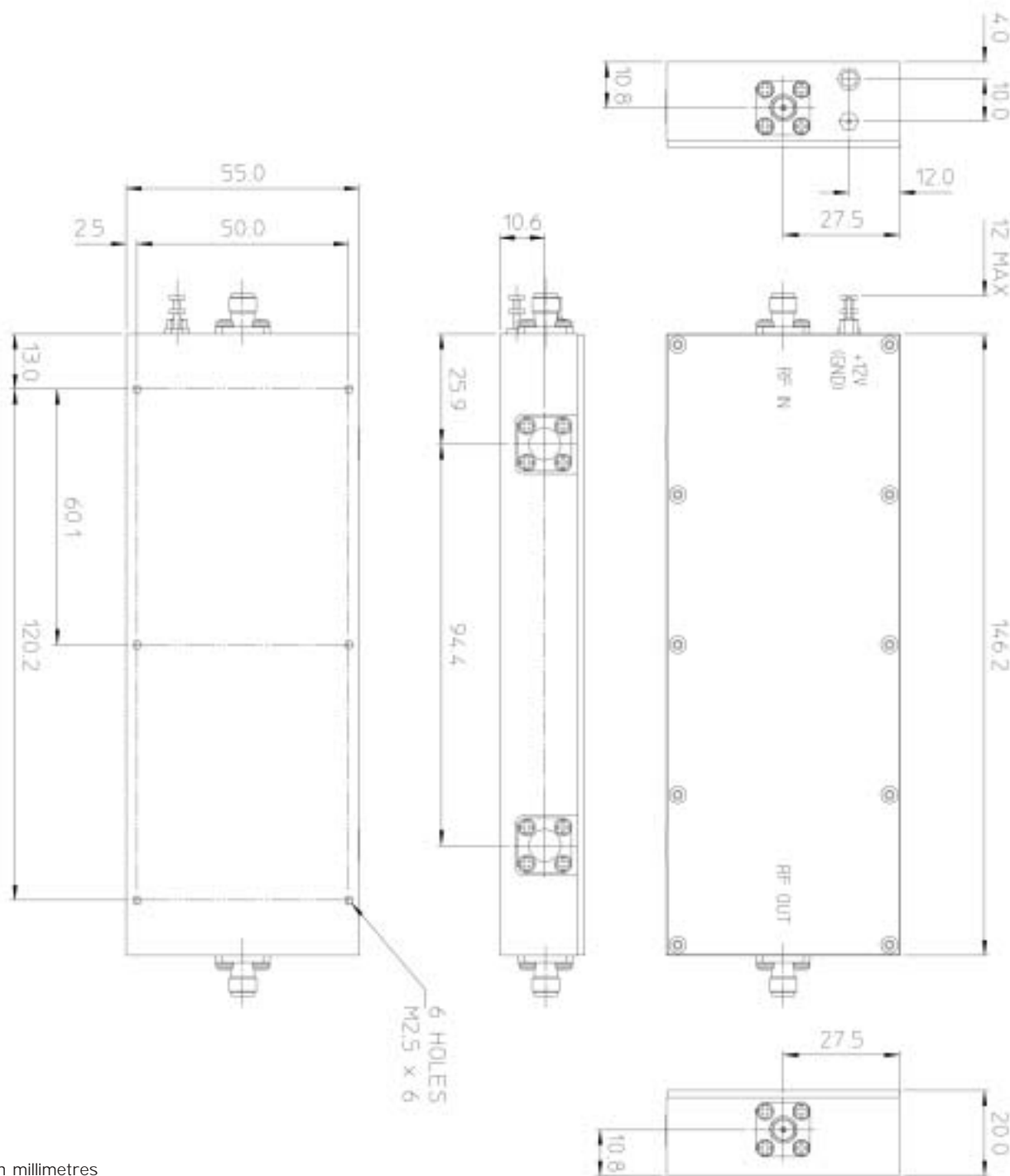
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DML MICROWAVE



BLOCK DIAGRAM & MECHANICAL OUTLINE



Dimensions in millimetres

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