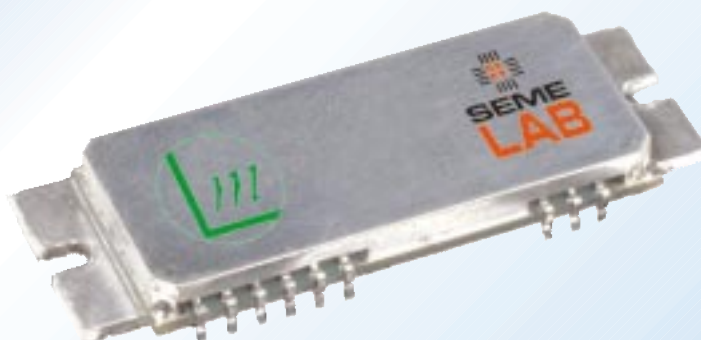


RF AMPLIFIER MODULES

Semelab is pleased to announce the first modules in a range designed in conjunction with LMT for Private Mobile Radio (PMR) systems. These modules utilise Semelab's own RF power MOSFETs in order to achieve:

- High output power (5.5W typically)
- High efficiency (>38%)
- Low intermodulation distortion (IMD > -25dBc)



Additional features include:

- Operation from 7.2V supply
- Integral enable/disable control of the amplifier
- Unconditionally stable for all loads up to 5:1 VSWR
- Rugged construction
- Copper heatsink for excellent thermal dissipation

The table below summarises the main RF performance parameters.

Parameter	Model LMP2003			Model LMP1603			Units
	Min.	Typ.	Max	Min.	Typ.	Max	
Frequency Range	220		222	150		162	MHz
Output Power		5.5			5.5		W
Gain	37.4			37.4			dB
IMD	-25			-25			dBc
Second Harmonic Rejection	25			25			dB
Third Harmonic Rejection	35			35			dB
Input Return Loss	-10			-11			dB
Supply Voltage		7.2			7.2		V
Supply Current			2			2	A

For more information contact Semelab

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email: rf@semelab.co.uk



Fax: +44 (0) 1455 552612
<http://www.semelab.co.uk>

RF AMPLIFIER MODULES

NEW PACKAGES

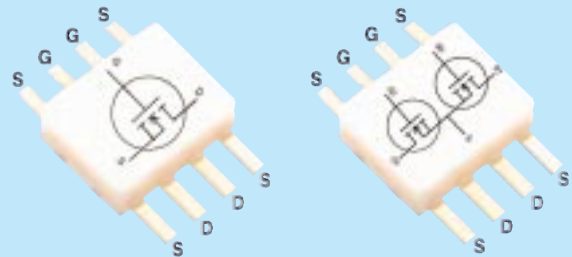
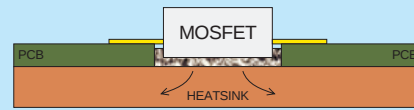
Semelab has developed packages specifically designed for use in RF modules.

These packages give greatly enhanced thermal conductivity by enabling the MOSFET to be directly connected to the heatsink.

Full data on Semelab's range of RF power MOSFETs can be obtained from our web site:

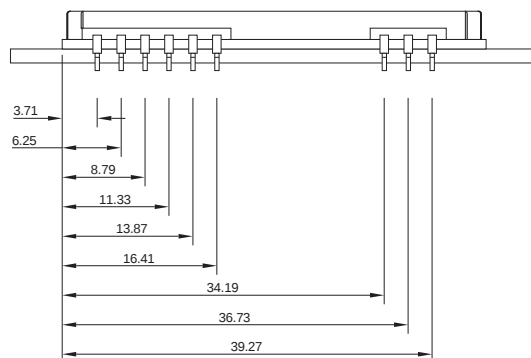
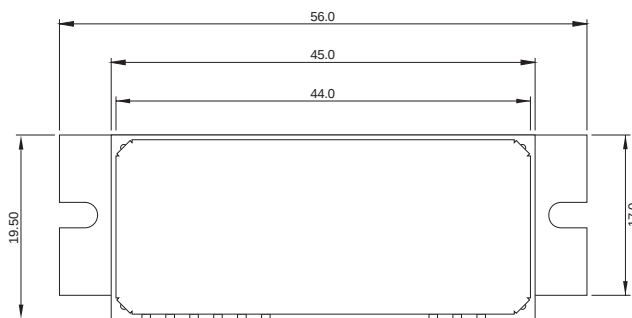
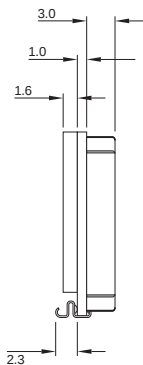
<http://www.semelab.co.uk>

or contact us for data sheets or a databook.



Package Outline.

Dimensions in mm.



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