

GME Kingray's KP001 provides a simple cost effective solution for distributing both digital and analogue signals. The package combines a DW42, FL3BPMH, PSK18s and KB001.

Kingray

KP001 - BROADBAND DIGITAL ANALOGUE PACKAGE

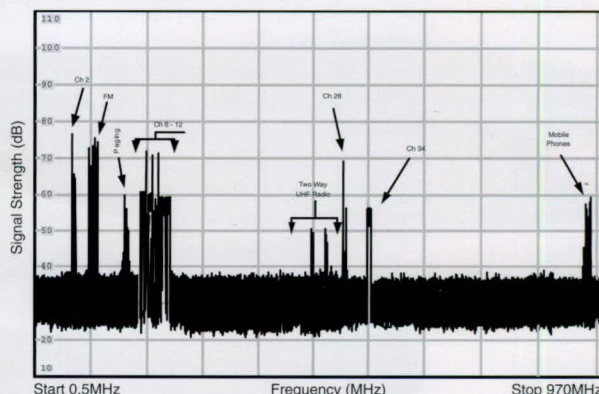
SAVE 10% WHEN BUYING THESE ITEMS AS THE KP001 PACKAGE SAVE 10% WHEN BUYING THESE ITEMS AS THE KP001 PACKAGE SAVE 10% WHEN BUYING THESE ITEMS AS THE KP001

TYPICAL METROPOLITAN TELEVISION SPECTRUM

- Spectrum illustrates all signals received by the antenna.
- Including both wanted and unwanted signals.

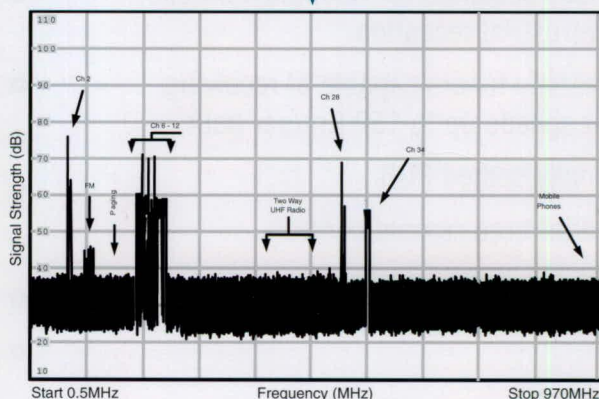
FL3BPMH

- Can be mounted inside or outside.
- Passive band pass filter/combiner.
- 1, 2 and or 3 Inputs.
- 1 combined output.
- High isolation between stages.
- > 15 dB Return Loss.
- Can be used backwards as a band separator.



TELEVISION SPECTRUM AFTER FL3BPMH

- Low insertion loss < 2 dB.
- Has rejected unwanted paging, CB and mobile phone signals.
- Will also remove AM, 27 MHz and police radio.
- Switchable FM trap reduced FM by 30 dB.
- Low Band attenuator adjustable 0 - 12 dB.

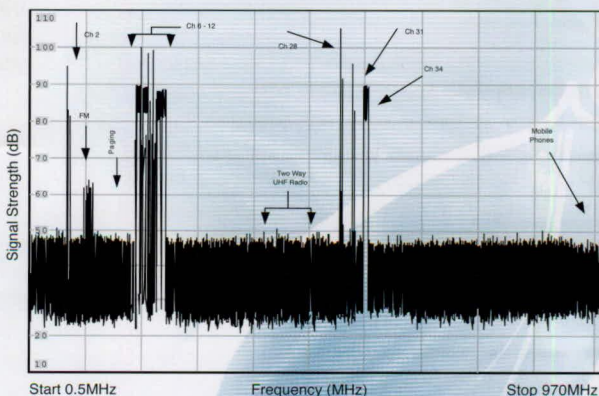


DW42

- FL3BPMH is ideal for installation prior to a broadband amplifier - DW42.
- The DW42 is a low noise, high output amplifier with midstage gain controls.
- With 3 separate banded gain controls, both required equalisation and gain are easily achieved.

TELEVISION SPECTRUM AFTER KP001

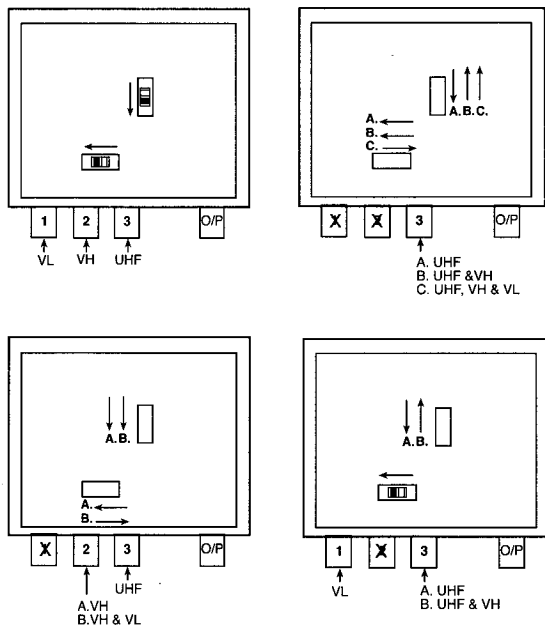
- The FL3BPMH and DW42 are a perfect solution for any digital/analogue broadband solution.
- By removing all unwanted, out of band signals before amplification, the chances of interference and unnecessarily loading the amplifier are greatly reduced.



INSTALLATION CONTINUED – INPUT OPTIONS

By using the 2 switches on the PCB a number of input options are available to suit most requirements.

Please see diagrams below for options.



Drawing No: 41492-3
Part No: 310188

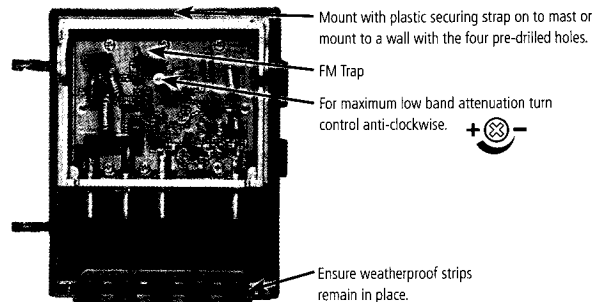
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Optimised for both Digital and
Analogue TV Signal Amplification

INSTALLATION MANUAL

**FL3BPMH - A FULLY SHIELDED
BANDPASS FILTER AND TRIPLEXER**
Ideal for broadband digital/analogue
applications

Thank you for selecting an Australian designed Bandpass Filter and Triplexer.



WARRANTY

Standard Communications PTY. LTD. warrants this Kingray product to be free from defects in material and workmanship for a period of 3 years from the

date of installation and reserves the right to void warranty if unit was misused, improperly installed or damaged by claimant.

A Division of **Standard Communications PTY. LTD.**

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SPECIFICATIONS

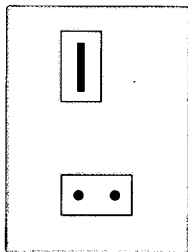
The FL3BPMH is a passive bandpass filter/combiner with 1,2 and/or 3 inputs. It is designed to pass standard TV bands with an insertion loss of < 2 dB, whilst rejecting unwanted out of band signals, including AM, 27 MHz Radio, FM

(Switchable), paging, police radio, 477 MHz CB Radio and mobile phones CDMA and GSM. There is also a -12 dB low band attenuator included.

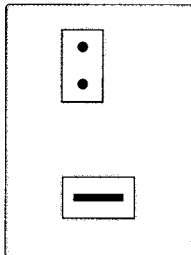
The FL3BPMH may also be used backwards as a low insertion loss band separator.

Frequency Range	VLF 44 - 108 MHz	FM Filter	-30 dB @ 88 - 108 MHz
	VHF 174 - 230 MHz	Pager Filter	-30 dB @ 148 MHz
	UHF 520 - 820 MHz		-20 dB @ 158 MHz (NZ)
Insertion Loss	< 2 dB	477 MHz CB	-40 dB
AM + 27 MHz	-40 dB	Mobile Phones	-20 dB @ 860 MHz
Low Band Attenuator	-12 dB max		-30 dB @ 940 MHz

FM TRAP OPTIONS



FM trap on



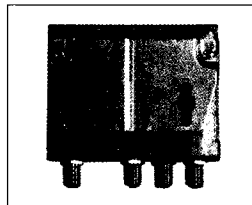
FM trap off

INSTALLATION

The FL3BPMH is designed to fit in the MHB02 for outdoor use prior to a masthead amplifier or it can be screwed to a wall in the plastic housing via the 4

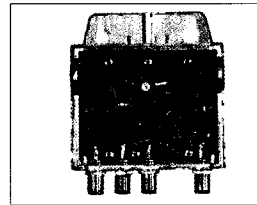
pre-drilled holes. The unit can also be removed from the plastic housing and mounted using the KB001 bracket.

1.

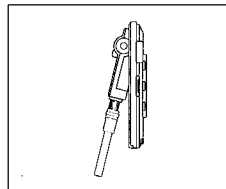


KB001 used for optional mounting of FL3BPMH.

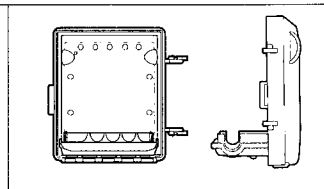
2.



Reversed KB001 for optional mounting of FL3BPMH.



The diecast housing can pivot to easily access Connectors.



The lid may be inserted into the plastic outer cover whilst installing.