



## Filters

Matchmaster has a broad range of band filters, triplexers and diplexers. Matchmaster has block specific filters for blocks A - E plus 694MHz and 652MHz low pass filters for general 4G (LTE) interference reduction. We also offer a range of Isolators and Surge arrestors for 75 Ohm systems up to 3GHz. Designed to be used both indoors and outdoors.

# Filters

## Filter 694MHz Low Pass 09MM-FD02

### Features and Benefits

- » Frequency 45-694MHz
- » Low pass filter
- » Eliminates 4G phone interference
- » Through loss < 2.0dB typical
- » Weatherproof housing for external mounting



## Filter Band Pass Channels (28-33) Band B 09MM-FD03

### Features and Benefits

- » Frequency 526-568MHz
- » Eliminates unwanted channels at lower frequency to allocate correct logical channel numbers
- » Eliminates 4G phone interference
- » Through loss < 4.0dB typical
- » Weatherproof housing for external mounting



## Filter Band Pass Channels (34-39) Band C 09MM-FD04

### Features and Benefits

- » Frequency 568-610MHz
- » Eliminates unwanted channels at lower frequency to allocate correct logical channel numbers
- » Eliminates 4G phone interference
- » Through loss < 4.1dB typical
- » Weatherproof housing for external mounting



## Filter Band Pass Channels (40-45) Band D 09MM-FD05

### Features and Benefits

- » Frequency 610-652MHz
- » Eliminates unwanted channels at lower frequency to allocate correct logical channel numbers
- » Eliminates 4G phone interference
- » Through loss < 4.6dB typical
- » Weatherproof housing for external mounting



## Filter Band Pass Channels (40-51) Band D-E 09MM-FD06

### Features and Benefits

- » Frequency 610-694MHz
- » Eliminates unwanted channels at lower frequency to allocate correct logical channel numbers
- » Eliminates 4G phone interference
- » Through loss < 4.1dB typical
- » Weatherproof housing for external mounting



## Filter Band Pass Channels (46-51) Band E 09MM-FD08

### Features and Benefits

- » Frequency 652-694MHz
- » Eliminates unwanted channels at lower frequency to allocate correct logical channel numbers
- » Eliminates 4G phone interference
- » Through loss < 4.14dB typical
- » Weatherproof housing for external mounting



## VHF/UHF Diplexing Filter With Selector Switch 09MM-FD09



### Features and Benefits

- » VHF/UHF Diplexer/Filter
- » VHF Frequency 174-230MHz
- » UHF Frequency 520-694MHz
- » Weatherproof housing for external mounting
- » Earth connection point included



## 5-694MHz Inline Band Pass Filter 09MM-FD12



### Features and Benefits

- » Frequency 5-694MHz
- » Indoor use only
- » Low insertion loss



## Diplexer VHF (CH 0-12) UHF (CH 28-51) 694MHz Low Pass Filter 09MM-FDPO2



### Features and Benefits

- » HDTV compliant
- » UHF 470-694MHz & VHF 45-230MHz
- » Fully automatic, no links to cut for DC bypass
- » 'F' type connections
- » Fully screened for impulse noise reduction
- » Weatherproof housing



## FM Band Rejection Filter 09MM-FMTP

### Features and Benefits

- » Economy 'F' type indoor FM trap
- » Attenuates FM signals by up to 34dB



## Diplexer Satellite VHF/UHF 09MM-SD01



### Features and Benefits

- » Combines and filters satellite and terrestrial signals into one coaxial cable
- » Diplexer can also be used in reverse to split satellite and terrestrial signal
- » 'F' type female connections
- » Compact design to easily fit in wall cavities
- » Foxtel approved (F30358)



## Stacking Combiner - 2 UHF Antennas 09MM-SK02

### Features and Benefits

- » Joins two antennas to increase signal levels
- » Suitable for regional areas
- » Weather proof enclosure
- » For outdoor use, attached to the mast
- » Cable tie included



# Filters

## Isolator 2GHz 800V DC 19MM-IS2G

### Features and Benefits

- » Screen and centre conductor full DC isolation
- » Frequency range 5-2150MHz
- » Insertion loss (dB) 0.5dB Max
- » Isolation 400V DC / 800V DC Peak
- » Return loss  $\geq$  13dB



## Surge Protector 2GHz 75Ohm 'F' 19MM-SRG2G75F

### Features and Benefits

- » Safeguard electronic equipment from lightning induced surges
- » Suitable for all outdoor antennas



### 19MM-SRG2G75F Specifications

Connector	'F' (Female)
Frequency Range	2 GHz (5-2000MHz)
VSWR	Less Than 1.5:1
Insertion Loss	Less Than 0.1dB
Discharge Voltage	DC 90V
Max Power Rating	200W
Isolation	3KV-7KV Peak
Return Loss	$\geq$ 18dB

## Surge Protector® 3GHz 75Ohm 'F' 19MM-SRG3G75F

### Features and Benefits

- » Safeguard electronic equipment from lightning induced surges
- » Suitable for all outdoor antennas



### 19MM-SRG2G75F Specifications

Connector	'F' (Female)
Frequency Range	3 GHz (5-3000MHz)
VSWR	Less Than 1.5:1
Insertion Loss	Less Than 0.1dB
Discharge Voltage	DC 90V
Max Power Rating	200W
Isolation	3KV-7KV Peak
Return Loss	$\geq$ 18dB

## Isolator 3KV CATV 19MM-IS3K

### Features and Benefits

- » Protective metal housing
- » Small compact design
- » Comes with built in 3KV high voltage capacitor

### 19MM-IS3K Specifications

	Frequency (MHz)	Typical	QC Standard
Insertion Loss (dB)	5-30	1.2	$\leq$ 1.5
	30-550	1	$\leq$ 1.2
	550-860	1.2	$\leq$ 1.5
	860-1000	1.2	$\leq$ 1.5
Return Loss (dB)	5-30	11	$\leq$ 9
	30-550	17	$\geq$ 15
	550-860	14	$\geq$ 12
	860-1000	14	$\geq$ 12
Impulse High Voltage (3KVDC 3s 1mA)	No Arc or Through		



## Foxtel TDT Isolator 19MM-TDTISOL

### Features and Benefits

- » CATV isolator approved by Telstra and Foxtel
- » Both connectors are 75 Ohm Female 'F' connectors that accept a wide range of centre conductor pins
- » Provides superior screening effectiveness relative to all other isolators
- » Designed to fit in the plastic wall box used in Telstra HFC network installations
- » Insertion loss < than 1.5dB (5MHz - 750MHz)

