



SWITCHABLE FILTER BANK

INTRODUCTION

MEC Offers Switchable filter bank for Ground and Airborne Applications. MEC also offering customer defined passband frequencies with ultimate rejection and passband insertion loss This series features the same high performance of a custom designed switched filter at a reduced cost

PRODUCT PARTNUMBER

Part No. # MEC-SFB-2000-18000

PRODUCT KEY FEATURES:

- Selectable Passband Frequency 2-18GHZ
- Customizable Channels
- TTL Selectable
- Low Insertion Loss of < 2.5 dB
- Fast Switching Speed of < 2 us
- High Rejection > 35 dB typical at Edges
- Small Form Factor

SPECIFICATIONS:

PARAMETERS	VALUES
RF FREQUENCY	2-18 GHz
SWITCHING TIME	<2us
INSERTION LOSS	$\leq 2.2\text{dB @ } 2.4\text{GHz}$ $\leq 2.2\text{dB @ } 4.8\text{GHz}$ $\leq 2.4\text{dB @ } 8.12\text{GHz}$ $\leq 2.6\text{dB @ } 12.18\text{GHz}$
REJECTION	$\geq 35\text{db @ } 15\% \text{ from edges}$
MAX RF INPUT	20dBm CW
OPERATING TEMPERATURE	-40 to +85°C
SIZE	$\leq 160 \times 120 \times 20\text{mm}$
PHASE RESPONSE	Linear in passband
CONTROL	TTL
CONNECTOR	SMA