

# Microwavefilters® &

Microwave components for telecommunication systems

## E-Band Diplexer



**BW 5 GHz**

**Shifter 10 GHz**

**Isolation > 60dB**

**RL > 15 dB, IL < 0.7 dB**

**No tuning**

**Microwavefilters & TVC srl**

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This diplexer works in the emerging frequency range of **E-band** (60 – 90 GHz). It was designed for **radio links applications** and optimized to offer a **very low insertion loss** (< 0.65 dB typical) in both the high and low band. It has a **high isolation TX-RX** (>60 dB).

### E-Band Diplexer Characteristics

#### P/N MW-D78500BFFFT

Low Filter Bandwidth

**71-76 GHz**

High Filter Bandwidth

**81-86 GHz**

Return Loss

**> 15 dB**

Insertion Loss

**< 0.7 dB (0.5 dB typ.)**

TX/RX Isolation

**> 60 dB**

Temperature Range

**-40 ÷ +85 °C**

Dimensions

**89 x 20 x 19 mm**

Connectors (on all Ports)

**Flanges WG26 R740 WR12**

