

Diplexer 8 GHz



BW 120 & 142 MHz
Shifter 310 MHz

Low Loss, Compact & Light

Microwavefilters & TVC srl

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Diplexer Characteristics

P/N: MW-D07948-FCCT

Low Filter's Center Frequency F_c	7793 MHz
High Filter's Center Frequency F_c	8103 MHz
Bandwidth (Low & High Filter)	120 MHz

P/N: MW-D08068-FCCT

Low Filter's Center Frequency F_c	7913 MHz
High Filter's Center Frequency F_c	8223 MHz
Bandwidth (Low & High Filter)	120 MHz

P/N: MW-D08130-FCCT

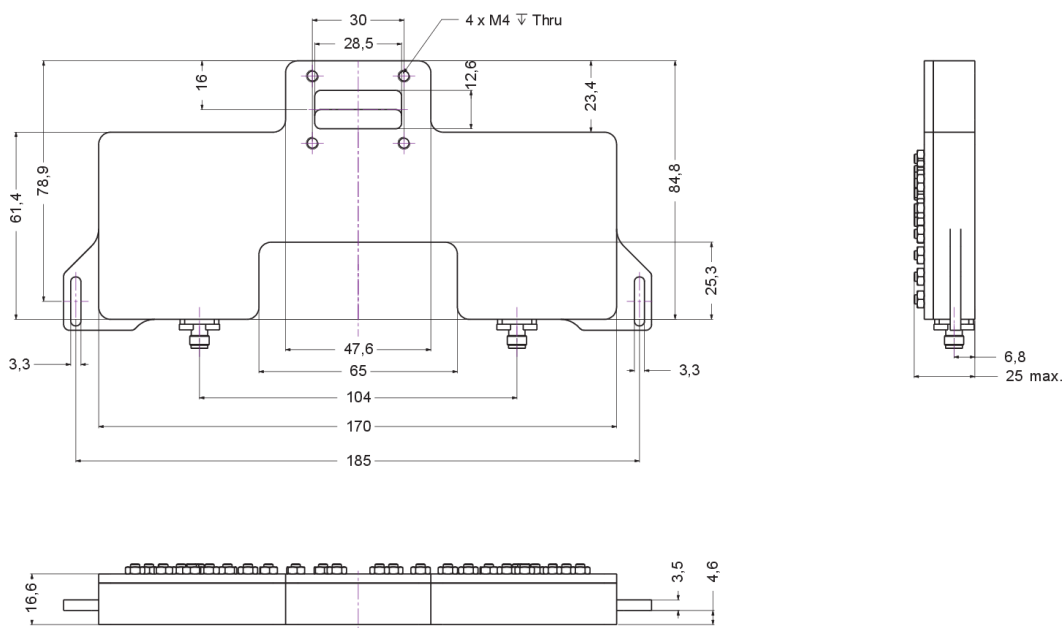
Low Filter's Center Frequency F_c	7975 MHz
High Filter's Center Frequency F_c	8285 MHz
Bandwidth (Low & High Filter)	142 MHz

P/N: MW-D08270-FCCT

Low Filter's Center Frequency F_c	8115 MHz
High Filter's Center Frequency F_c	8425 MHz
Bandwidth (Low & High Filter)	142 MHz

Common Characteristics

Return Loss	≥ 18 dB
Insertion Loss	≤ 1.2 dB
Rejection TX over RX and vice versa	≥ 70 dB
Rejection at $F_c \pm 200$ MHz	≥ 70 dB
Temperature Range	$-33 \div +75$ °C
Antenna Port	WR112 Special Flange
TX & RX Ports	2 SMA Female Connectors



Typical Frequency Responses

Example with BW=120 MHz and 310 MHz Shifter

