



Specifications

Specs			1	2
Frequency/ Rejection	Channel1 : 30~47MHZ	Rejection: ≥40@60~188MHZ	47.1	47.4
	Channel2 : 47~74MHZ	Rejection: ≥40@94~230MHZ	47.2	47.1
	Channel3 : 74~115MHZ	Rejection: ≥40@148~345MHZ	46.3	50.3
	Channel4 : 115~170MHZ	Rejection: ≥40@230~510MHZ	52.4	57.7
	Channel5 : 170~250MHZ	Rejection: ≥40@340~750MHZ	52.2	62.7
	Channel6 : 250~365MHZ	Rejection: ≥40@500~1100MHZ	60.4	49.8
	Channel7 : 365~520MHZ	Rejection: ≥40@730~1600MHZ	70.4	47.4
Insertion Loss	≤1dB	@channel1 : 30~47MHZ	0.32	0.34
		@channel2 : 47~74MHZ	0.35	0.38
		@channel3 : 74~115MHZ	0.35	0.38
		@channel4 : 115~170MHZ	0.42	0.32
		@channel5 : 170~250MHZ	0.38	0.41
		@channel6 : 250~365MHZ	0.51	0.54
		@channel7 : 365~520MHZ	0.61	0.66
Pass Band Ripple	≤0.5dB	@channel1 : 30~47MHZ	0.18	0.23
		@channel2 : 47~74MHZ	0.19	0.23
		@channel3 : 74~115MHZ	0.19	0.23
		@channel4 : 115~170MHZ	0.21	0.13
		@channel5 : 170~250MHZ	0.13	0.12
		@channel6 : 250~365MHZ	0.21	0.26
		@channel7 : 365~520MHZ	0.19	0.24
VSWR	≤1.5	@channel1 : 30~47MHZ	1.14	1.17
		@channel2 : 47~74MHZ	1.11	1.12
		@channel3 : 74~115MHZ	1.16	1.22
		@channel4 : 115~170MHZ	1.40	1.17
		@channel5 : 170~250MHZ	1.12	1.31
		@channel6 : 250~365MHZ	1.24	1.18
		@channel7 : 365~520MHZ	1.18	1.15
Rx and Tx max Power	200W (Note: Can't be hot switched)		OK	OK
Switching Time	≤10ms		10	10
Working Temperature	-20°C~+50°C		OK	OK
Storage Temperature	-40°C ~+70°C		OK	OK
Input/Output Connector	SMA-KF/J30J-9ZKP		OK	OK



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1pin	2pin	3pin	4pin	5pin	6pin	7pin	8pin	9pin
C1	C2	C3	C4	NC	GND	GND	+12V	+12V
TTL Control Voltage:0- 12V bias control current: ≤500mA								
C1	C2	C3	C4					
0	0	0	1	Channel1				
0	0	1	0	Channel2				
0	0	1	1	Channel3				
0	1	0	0	Channel4				
0	1	0	1	Channel5				
0	1	1	0	Channel6				
0	1	1	1	Channel7				
0	0	0	0	Through				
1	X	X	X	Receiving channel				



Mechanical Drawing & Pin Connections

Drawing No: MD23002- -1

