

Operating Conditions

Operating temperature range	-30 ..+85 °C
Maximum RF Power	27 dBm

Test conditions – General:

RF power	0 dBm
Room Temperature	25 °C
Terminating source impedance (Z _S):	50 Ω
Terminating load impedance (Z _L):	50 Ω

Test conditions – TX - ANT:

RX port termination	50 Ω
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SIPAT Co., Ltd.
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Nanping Huayuan Road No. 14
Chongqing, China, 400060

Part Number	SD453A	
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Characteristics


	minimum	typical	maximum	unit
Centre frequency		452,4		MHz
Pass Band	450		454,8	MHz
Insertion Loss in Pass Band			3	dB
Return Loss in Pass Band	10	15		dB
Rejection 0,3 MHz – 350 MHz	30	35		dB
350 MHz – 435 MHz	26	32		dB
RX Rejection 460 MHz – 464,8 MHz	45	48		dB
Rejection 900 MHz Cellular				
464,8 MHz – 1565 MHz	30	34		dB
Rejection GPS PCS DCS UMTS				
1565 MHz – 2200 MHz	35	37		dB

Test conditions : ANT - RX

TX port termination 50 Ω

Characteristics

	minimum	typical	maximum	unit
Centre frequency		462,4	463,5	MHz
Pass Band	460,6		464,2	MHz
Insertion Loss in Pass Band			3,8	dB
Return Loss in Pass Band	10	15		dB
Rejection 0,3 MHz – 450 MHz	45	48		dB
TX Rejection 450 MHz – 454,8 MHz	50	55		dB
Rejection 900 MHz Cellular				
480 MHz – 1000 MHz	43	45		dB
Rejection GPS Band				
1000 MHz – 1585 MHz	35	37		dB
Rejection PCS DCS UMTS				
1585 MHz – 2000 MHz	30	38		dB
2000 MHz – 2200 MHz	25	27		dB

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Test conditions : TX - RX

ANT port termination 50 Ω

Characteristics

	minimum	typical	maximum	unit
Isolation 460 MHz – 464,8 MHz			55	dB
Isolation 450 MHz – 454,8 MHz			45	dB



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