



Murata IF-Ceramic Filter Recommendations for Infineon Wireless Control Products

Receiver											
IC	IF-Ceramic-Filter Part Number	Center Frequency [MHz]	3dB Bandwidth [kHz]	Attenuation [kHz]	Insertion Loss [dB]	Ripple [dB]	Spurious Attenuation (1) [dB]	Spurious Attenuation (1) [dB]	Input/Output Impedance [Ω]	Temperature Range [$^{\circ}\text{C}$]	Comment
TDA5200	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA5201	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA5210	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA5211	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA5212	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA5220	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA5221	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	
TDA7200	SFECF10M7FA00-R0	10.700 $\pm 30\text{kHz}$	280 ± 50	590	3.0 ± 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	700			-40 ... +85						High-reliability Type	
	330 ± 50		590	-20 ... +80						Standard Type	
			700	-40 ... +85						High-reliability Type	

Receiver, continued

IC	IF-Ceramic-Filter Part Number	Center Frequency [MHz]	3dB Bandwidth [kHz]	Attenuation [kHz]	Insertion Loss [dB]	Ripple [dB]	Spurious Attenuation (1) [dB]	Spurious Attenuation (1) [dB]	Input/Output Impedance [Ω]	Temperature Range [°C]	Comment
TDA7210	SFECF10M7FA00-R0	10.700 \pm 30kHz	280 \pm 50	590	3.0 \pm 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	SFECF10M7FA00S0-R0			700						-40 ... +85	High-reliability Type
	SFECF10M7EA00-R0		330 \pm 50	590						-20 ... +80	Standard Type
	SFECF10M7EA00S0-R1			700						-40 ... +85	High-reliability Type
TDA7210V	SFECF10M7FA00-R0	10.700 \pm 30kHz	280 \pm 50	590	3.0 \pm 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	SFECF10M7FA00S0-R0			700						-40 ... +85	High-reliability Type
	SFECF10M7EA00-R0		330 \pm 50	590						-20 ... +80	Standard Type
	SFECF10M7EA00S0-R1			700						-40 ... +85	High-reliability Type
TDA5230	SFECF10M7FA00-R0	10.700 \pm 30kHz	280 \pm 50	590	3.0 \pm 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	SFECF10M7FA00S0-R0			700						-40 ... +85	High-reliability Type
	SFECF10M7EA00-R0		330 \pm 50	590						-20 ... +80	Standard Type
	SFECF10M7EA00S0-R1			700						-40 ... +85	High-reliability Type
TDA5231	SFECF10M7FA00-R0	10.700 \pm 30kHz	280 \pm 50	590	3.0 \pm 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	SFECF10M7FA00S0-R0			700						-40 ... +85	High-reliability Type
	SFECF10M7EA00-R0		330 \pm 50	590						-20 ... +80	Standard Type
	SFECF10M7EA00S0-R1			700						-40 ... +85	High-reliability Type
TDA5240 TDA5235 TDA5225	SFECF10M7FA00-R0	10.700 \pm 30kHz	280 \pm 50	590	3.0 \pm 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	SFECF10M7FA00S0-R0			700						-40 ... +85	High-reliability Type
	SFECF10M7EA00-R0		330 \pm 50	590						-20 ... +80	Standard Type
	SFECF10M7EA00S0-R1			700						-40 ... +85	High-reliability Type

Transceiver

IC	IF-Ceramic-Filter Part Number	Center Frequency [MHz]	3dB Bandwidth [kHz]	Attenuation [kHz]	Insertion Loss [dB]	Ripple [dB]	Spurious Attenuation (1) [dB]	Spurious Attenuation (1) [dB]	Input/Output Impedance [Ω]	Temperature Range [°C]	Comment
TDA5340	SFECF10M7FA00-R0	10.700 \pm 30kHz	280 \pm 50	590	3.0 \pm 2.0	1.0 max.	30 min. [within 9MHz to fo]	31 min. [within 12MHz to fo]	330	-20 ... +80	Standard Type
	SFECF10M7FA00S0-R0			700						-40 ... +85	High-reliability Type
	SFECF10M7EA00-R0		330 \pm 50	590						-20 ... +80	Standard Type
	SFECF10M7EA00S0-R1			700						-40 ... +85	High-reliability Type