

Filter Module

P.N. : R03-M0910-02

Electrical Specification

ITEMS	Specification (900MHz Band)		Specification (1.8GHz Band)	
	Rx	TX	Rx	TX
Frequency Range	905 ~ 915MHz	950 ~ 960MHz	1735 ~ 1755MHz	1830 ~ 1850MHz
Insertion Loss (Max.)	1.5dB			
Return Loss (Min.)	20.0dB			
Ripple (Max.)	0.8dB			
Isolation (Min.)	TX Band : 100.0dBc	RX Band : 100.0dBc	TX Band : 100.0dBc	RX Band : 100.0dBc
Attenuation(Min.)	Fc±10MHz 7.0dBc	Fc±10MHz 7.0dBc	Fc±15MHz 7.0dBc	Fc±15MHz 7.0dBc
	Fc±15MHz 15.0dBc	Fc±15MHz 15.0dBc	Fc±20MHz 15.0dBc	Fc±20MHz 15.0dBc
	884 ~ 894MHz: 27dBc	-		
2 nd Harmonic (Min.)	80dBc			
Coupling Value	-	40.0±1.5dB		40.0±1.5dB
Impedance	50Ω			
Temperature	-30 ~ +80°C			
Arrester	Voltage : 6kv Current : 3kA (8/20 us)			

ITEMS	Specification (2.1GHz Band)	
	Rx	TX
Frequency Range	1960 ~ 1980MHz	2150 ~ 2170MHz
Insertion Loss	1.5dB (MAX)	
Return Loss (Min.)	20.0dB	
Ripple (Max.)	0.8dB	
Isolation (Min.)	TX Band : 100.0dBc	RX Band : 100.0dBc
Group Delay	30ns Each FA(Max.)	
Attenuation(Min.)	Fc±15MHz 7.0dBc	Fc±15MHz 7.0dBc
	Fc±20MHz 15.0dBc	Fc±20MHz 15.0dBc
2 nd Harmonic (Min.)	80dBc	
Coupling Value	-	40.0±1.5dB (Output based)
Impedance	50Ω	
Temperature	-30 ~ +80°C	
Arrester	Voltage : 6kv Current : 3kA (8/20 us)	

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Photo



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