



▶ Band Pass Filter + POWER-LIMITER LNA

1. Specification

1.1. Band Pass Filter

Parameter		Specifications		Remark	
		RxA, B		Tx	
Frequency Range		1850 - 1875 MHz		1930 - 1955 MHz	
Insertion Loss		-		1dB max	
Pass Band Ripple		-		0.5dB max	
Gain		24±1.0dB		-	
Gain Flatness		1.0dB		-	
Noise Figure		2.2dB		-	
IIP3		0dBm		-	
In/Out VSWR		1.3:1		1.3:1	
Attenuation		1930 - 1955 MHz	100dBc min	1850 - 1875 MHz	100dBc min
Coupling Value		-		-30±1.0dB	
DC input volatge		12±0.2V			
Current		1A max			
Alarm Out	Normal	GND			
	Abnormal	OPEN			
Operating Temperature		-30 - 60°C			
Connector		Type	Signal Description		
9Pin, D-SUB male	1	GND			
	2	GND			
	3	+12V			
	4	+12V			
	5	LNA A Alarm			
	6	LNA B Alarm			
	7	Alarm A LED			
	8	Alarm B LED			
	9	NC			



1.2. POWER-LIMITER LNA

Parameter	Specifications	Remark
Frequency Range	1850 - 1875 MHz	
Gain	25±1.0dB	
Gain Flatness	1dB	
Noise Figure	1.2dB	Typ 0.8dB
IIP3	1dBm	
In/Out VSWR	1.3:1	
Coupling Value	15±1.0dB	
DC input volatge	12±0.2V	
Alarm Out	GND	Open Collector Type
	OPEN	
Current	450 mA max	



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2. Drawing

