





Products

WiFi 
- Front-end Module (FEM) (page_prd_new.aspx?Id=1)
- Power Amplifier (page_prd_new.aspx?Id=2)
- Low Noise Amplifier (page_prd_new.aspx?Id=3)
- Switch (page_prd_new.aspx?Id=6)
Mobility 
IoT 
Automotive 

WiFi

Front-end Module (FEM)

RichWave offers a broad line of front-end modules (FEMs) for WiFi connectivity solutions covering the spectrum from AP routers and consumer PCs/laptops to mobile/portable phones.

RichWave FEM products enable customers to achieve cost-effective, small form-factor solutions by:

- leveraging multi-process technologies, including GaAs/SiGe/SOI CMOS, to optimize EVM performance as well as providing the best and most cost-effective solution
- offering advanced MCM (multi-chip-module) packaging and IPD (integrated passive device) process to achieve an on-chip harmonic filter as well as a substrate-free assembly
- providing a wide variety of RX FEM (LNA/SW) and full FEM (PA/LNA/SW) solutions to meet WiFi 802.11a,b,g,n,ac requirements in medium power (+21dBm and lower) and high power (over +21dBm) applications

WiFi 7 FEM



CATV Switch	>
Radar Sensor	>
Filter	>
Broadcasting (page_prd_new.aspx?Id=7)	
Wireless Video/Audio (page_prd_new.aspx?Id=8)	

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC77601	PA	LNA	SPDT	LPF	5
RTC77601E	PA	LNA	SPDT	LPF	5
RTC66927	PA	LNA	SPDT	LPF	5
RTC66923	PA	LNA	SPDT	LPF	5
RTC77501	PA	LNA	SPDT	LPF	5
RTC77501E	PA	LNA	SPDT	LPF	5
RTC77502	PA	LNA	SPDT	LPF	5
RTC66572	PA	LNA	SPDT	LPF	4
RTC77201	PA	LNA	SPDT	LPF	2
RTC77201E	PA	LNA	SPDT	LPF	2
RTC66274	PA	LNA	SPDT	LPF	2
RTC66273	PA	LNA	SPDT+SP3T	LPF	2
RTC66272	PA	LNA	SPDT+SP3T	LPF	2



WiFi 7 Nonlinear-PA FEM

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC66937	PA	LNA	SPDT	LPF	5
RTC66583	PA	LNA	SPDT	LPF	5
RTC66284	PA	LNA	SPDT	LPF	2
RTC66291	PA	LNA	SPDT	LPF	2

WiFi 6E FEM

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC66903	PA	LNA	SPDT	LPF	5
RTC66904	PA	LNA	SPDT	LPF	5
RTC66914	PA	LNA	SPDT	LPF	5
RTC66908	PA	LNA	SPDT	LPF	5

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
RTC66905	PA	LNA	SPDT	LPF	5
RTC66918	PA	LNA	SPDT	LPF	5
RTC66916	PA	LNA	SPDT	LPF	5
RTC66930	PA	LNA	SPDT	LPF	5

WiFi 6 FEM- 5GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC7658	PA	LNA	SPDT	LPF	1 1
RTC7676D	PA	LNA	SPDT	LPF	2 2
RTC7676D-1	PA	LNA	SPDT	LPF	2 2
RTC7676DM	PA	LNA	SPDT	LPF	1 2
RTC66532	PA	LNA	SPDT	LPF	1 2
RTC66534	PA	LNA	SPDT	LPF	2 2
RTC7676E	PA	LNA	SPDT	LPF	2 2



Part No.	PA ↑↓	LNA ↓↑	SW ↓↑	LPF ↓↑	F
RTC7676EM	PA	LNA	SPDT	LPF	2 2
RTC66504HE	PA	LNA	SPDT	LPF	2 2
RTC66504HK	PA	LNA	SPDT	LPF	2 2
RTC66506	PA	LNA	SPDT	LPF	2 1
RTC66544K	PA	LNA	SPDT	LPF	2 1
RTC7678K	PA	LNA	SPDT	LPF	2 2
RTC7678O	PA	LNA	SPDT	LPF	2 2
RTC66518	PA	LNA	SPDT	LPF	1 1
RTC66539	PA	LNA	SPDT	LPF	1 2
RTC66544	PA	LNA	SPDT	LPF	2 2
RTC66546	PA	LNA	SPDT	LPF	2 2
RTC66568HE	PA	LNA	SPDT	LPF	2 2

WiFi 6 Dual FEM- 5GHz



Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC66522	PAX2	LNAX2	SPDT	LPF	1 1

WiFi 5 FEM- 5GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC5633C	PA	LNA	SPDT	LPF	1
RTC5638H	PA	LNA	SPDT	LPF	2 1
RTC5638HE	PA	LNA	SPDT	LPF	2 1
RTC5638HS	PA	LNA	SPDT	LPF	1
RTC5638HS-1	PA	LNA	SPDT	LPF	1
RTC5639	PA	LNA	SPDT	LPF	2 1
RTC5639E	PA	LNA	SPDT	LPF	2 1
RTC7635	PA	LNA	SPDT	LPF	2



Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
RTC7637	PA	LNA	SPDT	LPF	1 1
RTC7637S	PA	LNA	SPDT	LPF	1 1 1
RTC7639	PA	LNA	SPDT	LPF	1
RTC7672	PA	LNA	SPDT	LPF	2
RTC7694	PA	LNA	SPDT	LPF	1
RTC66529	PA	LNA	SPDT	LPF	2 1

WiFi 4/5/6 RX-FEM- 5GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	V
	▼	▼	▼	▼	
RTC7630	--	LNA	SPDT	--	3
RTC7650	--	LNA	SPDT	--	3
RTC7657	--	LNA	SPDT	--	3 5
RTC7670	--	LNA	SPDT	--	3
RTC66526	--	LNA	SPDT	--	3
RTC66538	--	LNA	SPDT	--	3

WiFi 6 FEM- 2.4GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC7628	PA	LNA	SP3T	LPF	1 1
RTC7644	PA	LNA	SPDT	LPF	2 1
RTC7646	PA	LNA	SPDT	LPF	2 2
RTC7646HT	PA	LNA	SPDT	LPF	2 2
RTC7646HU	PA	LNA	SPDT	LPF	2 2
RTC7647O	PA	LNA	SPDT	LPF	2 2
RTC7689	PA	LNA	SPDT	LPF	1 2
RTC66204HT	PA	LNA	SPDT	LPF	2 2
RTC66208	PA	LNA	SPDT	LPF	1 2
RTC66218	PA	LNA	SPDT	LPF	1 2
RTC66226	PA	LNA	SPDT	LPF	1 2
RTC66230	PA	LNA	SPDT	LPF	2 2



Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
RTC66232	PA	LNA	SPDT	LPF	2 2
RTC66237	PA	LNA	SPDT+SP3T	LPF	1 2
RTC66238	PA	LNA	SPDT+SP3T	LPF	1 2
RTC66266	PA	LNA	SPDT	LPF	2 2
RTC66268	PA	LNA	SPDT+SP3T	LPF	1 2
RTC66278	PA	LNA	SPDT	LPF	2 2

WiFi 6 Dual FEM- 2.4GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	
RTC66222	PAX2	LNAX2	SPDT SP3T	LPF	1 1

WiFi 4/5 FEM- 2.4GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
	▼	▼	▼	▼	

Part No.	PA ↑↑	LNA ↓↑	SW ↓↑	LPF ↓↑	F
RTC7625H	PA	LNA	SP3T	LPF	2 1
RTC7625HE	PA	LNA	SPDT	LPF	2 1
RTC7625HE-1	PA	LNA	SPDT	LPF	2 2 1
RTC7626H	PA	LNA	SP3T	LPF	2 1
RTC7626H-1	PA	LNA	SP3T	LPF	2 1
RTC7626HE	PA	LNA	SP3T	LPF	2 1
RTC7626HS	PA	LNA	SP3T	LPF	2 1
RTC7626HS-1	PA	LNA	SP3T	LPF	2 1
RTC7662	PA	LNA	SPDT	LPF	2 2
RTC7665A	PA	LNA	SPDT	LPF	1
RTC7665B	PA	LNA	SPDT	LPF	2
RTC7667	PA	LNA	SP3T	LPF	1
RTC7682	PA	LNA	SP3T	LPF	2
RTC66202	PA	LNA	SP3T	LPF	2
RTC66236	PA	LNA	SPDT	LPF	1 2

WiFi 4/5/6 RX-FEM- 2.4GHz

Part No.	PA ↓↑	LNA ↓↑	SW ↓↑	LPF ↓↑	V
	▼	▼	▼	▼	
RTC7620	--	LNA	SP3T	--	3
RTC7620T	--	LNA	SP3T	--	3
RTC7663	--	LNA	SP3T	--	3
RTC7680	--	LNA	SP3T	--	3

(index.aspx)

SITE MAP (sitemap.aspx)

📍 6F, No. 5, Alley 20, Lane 407, Sec.2, Tiding Blvd., Neihu District, Taipei, 114, Taiwan

R.O.C.

☎ +886-2-8751-1358

© 2023 RichWave Technology Corporation. All Rights Reserved.

(<https://www.linkedin.com/company/richwave-technology-corp-4968->)

(https://www.youtube.com/channel/UCbj4-AxD_nbmPLMaKVWBalg/videos?disable_polymer=1)

(http://i.youku.com/i/UMzk4Njg4MTEyOA==?spm=a2h0j.8191423.subscription_wrap.DD~A)



(mailto:info_TPE@richwave.com.tw?

subject=RichWave Technology
Corporation&body=www.richwave.com.tw)

