

RFM Short Range Radios and RFICs

Products may be RoHS compliant. Check mouser.com for RoHS status.



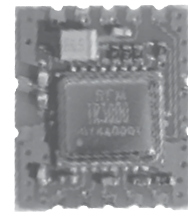
VIRTUAL WIRE RADIO RF MODULES

Features:

- Integrated RF IC with quartz SAW filtering and frequency control components in a single hybrid
- High Data rates for data, control and digitized voice transmissions
- Stable, sensitive receiver technology with excellent "channel capture" performance
- Ultra Low current consumption for operation from small 3V batteries
- Very small, low-profile package to make "watch size" applications practical
- Rugged, self-shielding, metal-ceramic hybrid package
- Wide operating temperature range for industrial and outdoor applications
- Easy to optimize for a wide range of application requirements
- Easy certification to stringent short-range radio regulatory requirements
- No external RF filters, IF filters, resonators or crystals are required

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Power Output	Operating Voltage	Operating Temp. (°C)	Price Each		
						1	100	250
719-DR3000	DR3000	Transceiver Module 916.500MHz	.75mW	2.7Vdc - 3.5Vdc	-40°C to +85°C	25.20	23.25	21.30
719-DR3100	DR3100	Transceiver Module 433.920MHz	1.2mW	2.7Vdc - 3.5Vdc	-40°C to +85°C	25.20	23.25	21.30
719-DR3300	DR3300	Transceiver Module 916.50MHz	1mW	2.7 - 3.5Vdc	-40°C to +85°C	28.33	26.15	22.67
719-DR5000	DR5000	Receiver Module 916.50MHz	--	2.7Vdc - 3.5Vdc	-20°C to +65°C	25.00	23.08	20.00
719-DR5100	DR5100	Receiver Module 433.92MHz	1mW	2.7 - 3.5Vdc	-20°C to +65°C	25.00	23.08	20.00



RF Modules

TRANSCIVERS, RECEIVERS, AND TRANSMITTERS

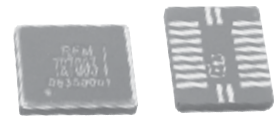
Features:

- For short range wireless data communication applications.
- Robust operation
- Low power consumption
- Very small size
- Hybrid, simplifying, speeding design-in.
- Excellent suppression of output harmonics.

Transceivers - WirelessHART®

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Dimensions (L x W) (in.)	Frequency (MHz)	Operating Temp. (°C)	Price Each		
						1	100	250
725-XDM2510HC	XDM2510HC	XDM2510H Transceiver Module - solder reflow	1.050 x 0.980	2.4GHz	-40 to +85	110.00	105.00	100.00
725-XG2510HE	XG2510HE	Network manager - Ethernet port - gateway	1.050 x 1.10	2.4GHz	-40 to +85	1425.00	-----	-----



Transceivers

Transceivers - ASH

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Case	Frequency (MHz)	Operating Temp. (°C)	Price Each		
						1	100	250
719-TR1000	TR1000	ASH Transceiver Module 115.2kbps	SM-20H	916.5	-40°C to +85°C	13.57	12.67	11.99
719-TR1001	TR1001	ASH Transceiver Module 115.2kbps	SM-20H	868.35	-40°C to +85°C	13.57	12.67	11.99
719-TR1100	TR1100	ASH Transceiver Module 115.2kbps	SM-20H	916.5	-40°C to +85°C	11.00	9.76	9.31
719-TR3000	TR3000	ASH Transceiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C	13.57	12.67	11.99
719-TR3001	TR3001	ASH Transceiver Module 115.2kbps	SM-20L	315	-40°C to +85°C	13.57	12.67	11.99
719-TR3005	TR3005	ASH Transceiver Module 115.2kbps	SM-20H	403.5	-10°C to +55°C	13.86	12.74	11.99
719-TR7000	TR7000	ASH Transceiver Module 115.2kbps	SM3-20H	433.92	-40°C to +85°C	9.65	8.87	8.50
719-TR8000	TR8000	ASH Transceiver Module 115.2kbps	SM3-20H	916.5	-40°C to +85°C	9.24	8.53	7.81
719-TR8100	TR8100	ASH Transceiver Module 115.2kbps	SM3-20H	916.5	-40°C to +85°C	9.24	8.53	7.81



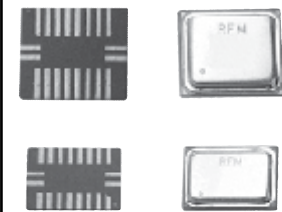
Transceivers

Receivers

719-RX5000	RX5000	ASH Receiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C	8.23	7.60	6.96
719-RX5002	RX5002	ASH Receiver Module 115.2kbps	SM-20L	418	-40°C to +85°C	7.73	6.85	6.54
719-RX5003	RX5003	ASH Receiver Module 115.2kbps	SM-20L	303.825	-40°C to +85°C	7.73	6.85	6.54
719-RX5500	RX5500	ASH Receiver Module 19.2kbps	SM-20L	433.92	-40°C to +85°C	7.90	7.29	6.67
719-RX5501	RX5501	ASH Receiver Module 19.2kbps	SM-20L	315	-40°C to +85°C	7.36	6.53	6.23
719-RX6000	RX6000	ASH Receiver Module 115.2kbps	SM3-20H	916.5	-40°C to +85°C	8.23	7.60	6.96
719-RX6001	RX6001	ASH Receiver Module 115.2kbps	SM-20H	868.35	-40°C to +85°C	9.00	8.17	7.65

Transmitters

719-TX5000	TX5000	ASH Transceiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C	6.55	6.05	5.54
719-TX6000	TX6000	ASH Transceiver Module 115.2kbps	SM-20H	916.5	-40°C to +85°C	6.55	6.05	5.54



Receivers and Transmitters

DEVELOPMENT KITS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Frequency (MHz)	Price Each		
				1	10	100
719-DR7000-DK	DR7000-DK	3G Development Kit	433.92MHz	200.00		
719-DR7001-DK	DR7001-DK	3G Development Kit	315MHz	200.00		
719-DR7003-DK	DR7003-DK	3G Development Kit	303.828MHz	200.00		
719-DR8000-DK	DR8000-DK	3G Development Kit	916.5MHz	200.00		
719-DR8001-DK	DR8001-DK	3G Development Kit	868.35MHz	200.00		
719-DR8100-DK	DR8100-DK	3G Development Kit	916.5MHz	200.00		
725-XDM2510HDK	XDM2510HDK	WirelessHART® Development Kit	2.4GHz	2995.00		

RFICS

Features:

- Integrated PLL, IF, Baseband Circuitry
- Support for Multiple Channels
- Wide Frequency range
- Wide operating supply voltage
- Frequency Hopping Spread Spectrum capability
- Low current consumption
- Very few external components required
- Small size plastic packages

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Frequency	Case	Price Each			
					1	10	50	100
Transceivers								
719-TRC104	TRC104	Multi-channel GFSK RFIC	2.4GHz	24-pin QFN	2.07	2.00	1.94	1.88
719-TRC105	TRC105	Multi-channel FSK RFIC	300-510 MHz	32-pin QFN-32	2.42	2.34	2.26	2.19

Development Kits

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RFM Part No.	Description	Frequency	Price Each		
				1	10	100
719-DR-TRC103-915-DK	DR-TRC103-915-DK	TRC103 Development Kit	902-928MHz	262.50		
719-DR-TRC104-2400DK	DR-TRC104-2400DK	TRC104 Development Kit	2.4GHz	262.50		
719-DR-TRC105-304-DK	DR-TRC105-304-DK	TRC105 Development Kit	303.325-307.300 MHz	280.00		
719-DR-TRC105-315-DK	DR-TRC105-315-DK	TRC105 Development Kit	310.000-319.500 MHz	280.00		
719-DR-TRC105-403-DK	DR-TRC105-403-DK	TRC105 Development Kit	402.000-407.300 MHz	280.00		
719-DR-TRC105-434-DK	DR-TRC105-434-DK	TRC105 Development Kit	418.000-434.790 MHz	280.00		

