

RF Receivers and RFID Transceivers

RF Receivers: Features: • Single superhet architecture for low external component count • FSK for digital data and FM reception • FM/FSK demodulation with phase-coincidence demodulator • For Analog Signal transmission • Low current consumption in active mode and very low standby current • Switchable LNA gain for improved dynamic range • RSSI allows signal strength indication and ASK detection **Operating Temperature Range:** -40°C ~ 85°C

RFID Transceivers:

MLX90121 and MLX12115: Features: • Low external component count **Operating Temperature Range:** -40°C ~ 85°C
MLX90109: Features: • Addressing 100kHz ~ 150kHz frequency range transponder • Biphasic and Manchester ASK • ON/OFF keying modulation **Operating Temperature Range:** -40°C ~ 85°C

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Protocol	Package	Frequency (MHz)	Digi-Key Part No.	Price Each			Tape and Reel†	
				1	10	25	Qty.	Pricing
RF Receivers / Transceiver								
FSK/FM/ASK	32-LQFP	315 - 433	TH71101ENE-ND	11.11	8.55	6.58	—	—
	32-LQFP	315 - 433	TH71102ENE-ND	12.35	9.50	7.31	—	—
	32-LQFP	868 - 915	TH71111ENE-ND	12.32	9.49	7.30	—	—
	32-LQFP	868 - 915	TH71112ENE-ND	12.35	9.50	7.31	—	—
	32-LQFP	300 - 930	TH7122ENE-ND NEW!	15.76	12.13	9.33	2,000	3951.00/M
RFID Transceivers — RoHS Compliant								
—	20-SSOP	13.56	MLX90121EFRCT-ND	18.31	14.09	10.84	1,500	4932.00/M
	20-SSOP	13.56	MLX12115EFRCT-ND	23.25	17.89	13.76	1,500	6262.00/M
	8-SOIC	125kHz	MLX90109EDCCT-ND	9.56	7.35	5.66	2,600	2573.00/M

† **RoHS Compliant** ‡ For Tape and Reel part number, change -CT-ND to -TR-ND

RF Receiver and RFID Transceiver Evaluation Boards and Development Kits

Description	Digi-Key Part No.	Price Each
Evaluation Boards and Development Kits for RF/RFID		
Evaluation Board for TH71101 Receiver	EV71101B-315FSKC-ND	160.00
Evaluation Board for TH71101 Receiver	EV71101B-433FSKC-ND	160.00
Evaluation Board for TH71102 Receiver	EV71102B-315FSKC-ND	160.00
Evaluation Board for TH71102 Receiver	EV71102B-418FSKC-ND	160.00
Evaluation Board for TH71102 Receiver	EV71102B-433FSKC-ND	160.00
Evaluation Board for TH71111 Receiver	EV71111B-915FSKC-ND	160.00
Evaluation Board for TH71112 Receiver	EV71112B-868FSKC-ND	160.00
Evaluation Board for TH71112 Receiver	EV71112B-915FSKC-ND	160.00
Evaluation Board for TH7122ENE Transceiver	EV7122-433-FSK-C-ND NEW!	253.75
Evaluation Board for MLX90121	EV90121-ND	145.00
Development Kit for MLX90121	DVK90121-ND	435.00
Evaluation Board for MLX90109	EV90109-ND	72.50
Development Kit for MLX90109	DVK90109-ND	435.00

MeshNetics ZigBee™ Modules and Development Kits



MeshNetics is a creator of easy-to-integrate 2.4GHz 802.15.4/ZigBee wireless RF modules and free mesh networking software, used by OEMs and system integrators to add wireless connectivity to their products and solutions. MeshNetics RF modules feature industry leading range performance with a link budget of 104dB, long battery life and ultra-small footprint.

Features:

• Control of ZigBee™ functionality and ZigBee networking via standardized SerialNet AT-Command interface • Very low power and footprint (see chart) • Self-healing wireless networks • Enables solutions in building automation, energy management and efficiency • HVAC, AMR, predictive maintenance, asset tracking and other application areas

Module Dimension (mm)	Supply Voltage (V)	Current Consumption Power Save (µA)	Current Consumption TX/RX (mA)	Frequency (GHz)	Output Power (dBm)	Receiver Sensitivity (dBm)	Antenna Type	Price Each		Digi-Key Part No.	Tape and Reel Pricing 750	MeshNetics Part No.	
								1	10				
ZigBee ZigBit Modules													
18.8 X 13.5	1.8 - 3.6	6	18/19	2.4	+3	-101	Balance RF Output Pin	758-1000-1-ND†	22.90	22.40	758-1000-2-ND	15300.00	ZDM-A1281-B0
24 X 13.5	1.8 - 3.6	6	18/19	2.4	+3	-101	Balanced Dual Chip Ceramic	758-1001-1-ND†	25.90	25.40	758-1001-2-ND	17549.98	ZDM-A1281-A2
Boards and Development Kits													
MeshBean Board with PCB Antenna, Sensors, Light and Temperature								758-1002-ND	125.00	—	—	—	WDB-A1281-P1
MeshBean Board with Chip Antenna, Sensors, Light and Temperature								758-1003-ND	125.00	—	—	—	WDB-A1281-A2
MeshBean Board with SMA Connector, Sensors, Light and Temperature								758-1004-ND	125.00	—	—	—	WDB-A1281-E1
Development Kit for ZigBit Modules, (Includes: 3 MeshBean Boards, Software and Cables, 1-year Manufacturer Support)								758-1005-ND	900.00	—	—	—	ZDK-A1281-CPT
Development Kit for ZigBit Modules, (Includes: 3 MeshBean Boards, Software and Cables, 45-day Manufacturer Support)								758-1006-ND	400.00	—	—	—	ZDK-A1281-LTE

† Cut Tape

MICREL QwikRadio™ RF Receivers



Description	Package	Digi-Key Part No.	Price Each			Micrel Part No.
			1	25	100	
QwikRadio Receiver/Data Demod	14-SOIC	576-1330-1-ND†	3.78	3.03	2.36	MICRF001YM TR
QwikRadio Receiver/Data Demod	14-SOIC	576-1330-2-ND‡	—	5292.50/2,500	—	MICRF001YM TR
QwikRadio Receiver/Data Demod	14-Dip	576-1331-ND	4.55	3.64	2.83	MICRF001YM
QwikRadio Receiver/Data Demod	14-SOIC	576-1336-ND	3.67	2.94	2.29	MICRF011YM
QwikRadio Receiver/Data Demod	14-Dip	576-1337-ND	4.41	3.53	2.75	MICRF011YM
115kbps, 800MHz ~ 1GHz UHF Receiver	14-SOIC	576-1333-ND	4.88	3.91	3.04	MICRF005YM
QwikRadio LP UHF Receiver	8-SOIC	576-1334-ND	3.96	3.17	2.47	MICRF007YM
QwikRadio LP UHF Receiver	16-SOIC	576-1335-ND	3.96	3.17	2.47	MICRF009YM
QwikRadio LP UHF Receiver	8-SOIC	576-1962-5-ND NEW!	3.96	3.17	2.47	MICRF010YM
300 ~ 440MHz QwikRadio ASK Receiver	16-SOIC	576-1332-ND	3.96	3.17	2.47	MICRF002YM
300 ~ 440MHz QwikRadio Sweep-Mode Receiver	8-SOIC	576-1961-5-ND NEW!	2.77	2.22	1.73	MICRF008YM
300 ~ 440MHz QwikRadio ASK Receiver	8-SOP	576-2420-ND NEW!	3.96	3.17	2.47	MICRF022YM-FS24
300 ~ 440MHz QwikRadio ASK Receiver	8-SOP	576-2421-ND NEW!	3.96	3.17	2.47	MICRF022YM-FS48
QwikRadio Receiver 3V, 380 ~ 450MHz	16-QSOP	576-1964-5-ND NEW!	3.92	3.14	2.44	MICRF211AYQS
QwikRadio Receiver 3.3V, 300 ~ 350MHz	16-QSOP	576-1649-5-ND	3.92	3.14	2.44	MICRF213AYQS
QwikRadio Receiver 3.3V, 300 ~ 450MHz	16-QSOP	576-2997-ND NEW!	4.70	3.77	2.93	MICRF218AYQS

† Cut Tape ‡ Tape and Reel

QwikRadio™ RF Transmitters



Description	Package	Digi-Key Part No.	Price Each			Micrel Part No.
			1	25	100	
QwikRadio UHF ASK Transmitter	8-SOIC	576-1338-ND	2.77	2.22	1.73	MICRF102YM
QwikRadio UHF ASK Transmitter	8-SOIC	576-1339-ND	3.42	2.74	2.13	MICRF103YM
QwikRadio UHF ASK/FSK Transmitter	10-MSOP	576-1963-5-ND NEW!	2.10	1.68	1.26	MICRF112YMM
290 ~ 980MHz ISM Band ASK/FSK Transmitter	24-MLF	576-1965-1-ND† NEW!	3.56	2.85	2.22	MICRF405YML TR
290 ~ 980MHz ISM Band ASK/FSK Transmitter	24-MLF	576-1965-2-ND‡ NEW!	—	2015.00/1,000	—	MICRF405YML TR
1.8V, QwikRadio UHF ASK Transmitter	14-SOIC	576-1340-ND	3.51	2.81	2.19	MICRF104YM

† Cut Tape ‡ Tape and Reel

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digkey.com



RadioWire® ISM Band Transceiver



Description	Package	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		Micrel Part No.
			1	25	100		Qty.	Pricing	
MICRF505 850MHz and 950MHz ISM Transceiver	32-MLF	576-1659-1-ND	5.60	4.48	3.78	576-1659-2-ND	1,000	3500.00	MICRF505YML TR
MICRF506 410 ~ 450MHz ISM Transceiver	32-MLF	576-1966-1-ND NEW!	5.60	4.48	3.78	576-1966-2-ND NEW!	1,000	3500.00	MICRF506YML TR
MICRF600Z 902 ~ 928MHz ISM Transceiver	16-MOD1114Q	576-2422-ND NEW!	16.63	14.97	13.28	—	—	—	MICRF600Z
MICRF610Z 868 ~ 870MHz ISM Transceiver	16-MOD1114Q	576-2423-ND NEW!	16.63	14.97	13.28	—	—	—	MICRF610Z
MICRF620Z 430 ~ 440MHz ISM Transceiver	16-MOD1114Q	576-2424-ND NEW!	16.63	14.97	13.28	—	—	—	MICRF620Z

RadioWire® Development Kits



Description	Digi-Key Part No.	Price Each		Micrel Part No.
		1	100	
RadioWire Development Kit for 902 ~ 928MHz	576-1605-ND	292.50	273.00	MICRF600DEV1
RadioWire Development Kit for 850 ~ 950MHz	576-1606-ND	292.50	273.00	MICRF505DEV1

MICROCHIP IEEE 802.15.4 - ZigBee™ RF Transceiver



This is a complete IEEE 802.15.4 radio and operates in the 2.4GHz band. Supports ZigBee, MiWi™ protocols and proprietary protocols to provide an ideal solution for wireless sensor networks, home automation, building automation and consumer applications.

Frequency Range (GHz)	Sensitivity (dBm)	Power Output (dBm)	RSSI	TX Power Consumption (mA)	RX Power Consumption (mA)	Clock (MHz)	MAC Features	Encryption	Interface	Package	Digi-Key Part No.	Price Each		
												1	100	
2.405 ~ 2.48	-95.00	0	Yes	18.00	22.00	20	CSMA-CA	AES128	4-Wire SPI	40-QFN	MRF24J40-I/ML-ND	5.38	2.76	2.69

MultiTech Systems Universal Socket Modems



Multi-Tech Systems embedded modems offer easy integration of multiple technologies, all in the same universal socket modem interface. **Development Kits: MTSMI-UDK:** This developer kit allows the user to configure his own development kit with a modem of their choice. The

target board is compatible with any Serial Socket modem module, allowing for rapid development of any project with this single board. Purchase of the desired universal socket modem is required.

MTSMI-P-DK: This developer kit allows for the development with

modems that have a parallel interface.

MTRJ-DK: This developer's kit allows for development with the RJ Modem series, which is a complete integrated modem with global compliance in a small form factor.

Description	Voltage (V)	Interface	Digi-Key Part No.	Price Each			Multi-Tech Part No.
				1	50	100	
SocketEthernet IP® Device Server	3.3	Serial-to-Ethernet	591-1040-ND	39.00	37.70	36.40	MT100SEM-L
			591-1079-ND NEW!	39.00	37.70	36.40	MT100SEM-L.R1
			591-1010-ND	59.97	58.39	56.92	MTXCSEM-L.R2
			591-1036-ND	55.76	54.31	52.94	MTXCSEM-L.R3
			591-1039-ND	39.00	37.70	36.40	MT100SEM
SocketWireless® Wi-Fi® Device Server, WLAN	3.3	Serial-to-Wi-Fi, 802.11b	591-1038-ND	84.85	82.65	80.56	MT800SWM-L
			591-1037-ND	84.85	82.65	80.56	MT800SWM
			591-1042-ND	59.58	57.80	56.90	MTS2BTSMI-L.R2
			591-1041-ND	61.50	59.65	58.73	MTS2BTSMI.R2
			591-1067-ND	61.65	60.05	58.54	MTS2BTSMI.R3
SocketWireless Bluetooth® V2.0 Device Server	3.3	Serial-to-Bluetooth	591-1034-ND	23.68	23.06	22.49	MT2456SMI-L-22.R3
			591-1033-ND	25.60	24.94	24.31	MT2456SMI-22.R3
			591-1066-ND	16.97	16.53	16.11	MT2492SMI-L-22
			591-1065-ND	20.60	20.06	19.56	MT2492SMI-L-34
			591-1064-ND	25.45	24.79	24.16	MT2492SMI-L-92
SocketModem® Dial-up Modem, Serial Data	5	V.22bis	591-1063-ND	16.97	16.53	16.11	MT2492SMI-22
			591-1062-ND	20.60	20.06	19.56	MT2492SMI-34
			591-1061-ND	25.45	24.79	24.16	MT2492SMI-92
			591-1027-ND	33.93	33.05	32.22	MT5600SMI-L-32.R2
			591-1001-ND	36.36	35.42	34.52	MT5600SMI-L-34.R2
SocketModem Dial-up Modem, Serial Data/Fax	3.3	V.22bis	591-1002-ND	38.79	37.78	36.83	MT5600SMI-L-92.R2
			591-1012-ND	36.36	35.42	34.52	MT5600SMI-32.R2
			591-1028-ND	38.79	37.78	36.83	MT5600SMI-34.R2
			591-1000-ND	41.21	40.14	39.13	MT5600SMI-92.R2
			591-1029-ND	36.36	35.42	34.52	MT5600SMI-X-L-34.R2
SocketModem Dial-up Modem, Serial Data/Fax, without LED pins	3.3	V.34	591-1030-ND	38.79	37.78	36.83	MT5600SMI-P-34.R2
SocketModem Dial-up Modem, Parallel Data/Fax	5	V.34	591-1003-ND	45.61	44.43	43.30	MT5634SMI-34.R2
SocketModem Dial-up Modem, Serial Data/Fax	5	V.92/V.34 (fax)	591-1031-ND	50.83	49.51	48.25	MT5634SMI-92.R2
SocketModem Dial-up Modem, Serial Data/Fax, High Voltage	5	V.92/V.34 (fax)	591-1032-ND	56.87	55.39	54.00	MT5634SMI-HV-92.R2
SocketModem Dial-up Modem, Serial Data/Fax, Industrial Temperature	5	V.92/V.34 (fax)	591-1004-ND	56.87	55.39	54.00	MT5634SMI-ITP-92.R2
SocketModem Dial-up Modem, Parallel Data/Fax	5	V.92/V.34 (fax)	591-1024-ND	50.83	49.51	48.25	MT5634SMI-P-92.R2
SocketModem Dial-up Modem, Parallel Data/Fax, High Voltage	5	V.92/V.34 (fax)	591-1025-ND	56.87	55.39	54.00	MT5634SMI-P-HV-92.R2
SocketModem Dial-up Modem, Parallel Data/Fax, Industrial Temperature	5	V.92/V.34 (fax)	591-1026-ND	56.87	55.39	54.00	MT5634SMI-P-ITP-92.R2
SocketModem Dial-up Modem, Serial Data	3.3	V.34	591-1083-ND NEW!	26.67	25.97	25.32	MT5656SMI-L-D-34
			591-1081-ND NEW!	31.52	30.70	29.92	MT5656SMI-L-D-92
			591-1082-ND NEW!	26.67	25.97	25.32	MT5656SMI-D-34
			591-1080-ND NEW!	31.52	30.70	29.92	MT5656SMI-D-92
			591-1021-ND	38.79	37.78	36.83	MT5656SMI-V-32.R2
SocketModem Dial-up Modem, Serial Data/Fax, Speakerphone I/O	5	V.34	591-1020-ND	41.21	40.14	39.13	MT5656SMI-V-34.R2
			591-1019-ND	43.64	42.51	41.43	MT5656SMI-V-92.R2
			591-1056-ND	44.85	43.69	42.59	MT9234SMI-L-92
			591-1055-ND	44.85	43.69	42.59	MT9234SMI-92
			591-1057-ND	50.91	49.59	48.34	MT9234SMI-HV-92
SocketModem Dial-up Modem, Serial Data/Fax, High Voltage	5	V.92/V.34 (fax)	591-1059-ND	44.85	43.69	42.59	MT9234SMI-P-L-92
SocketModem Dial-up Modem, Parallel Data/Fax	3.3	V.92/V.34 (fax)	591-1058-ND	44.85	43.69	42.59	MT9234SMI-P-92
SocketModem Dial-up Modem, Parallel Data/Fax, High Voltage	5	V.92/V.34 (fax)	591-1060-ND	50.91	49.59	48.34	MT9234SMI-P-HV-92
SocketModem CDMA Wireless Modem, 800/1900MHz, Verizon	5	CDMA	591-1052-ND	210.32	205.13	200.18	MTSMC-C-N3.R2
SocketModem EDGE Wireless Modem, Quad-Band GSM	5	EDGE/GSM	591-1007-ND	194.73	190.02	185.29	MTSMC-E.R2
			591-1049-ND	181.11	176.64	172.39	MTSMC-E.R3
			591-1093-ND NEW!	181.11	176.64	172.39	MTSMC-E.R4
			591-1017-ND	181.12	176.65	172.39	MTSMC-E-V.R2
SocketModem EDGE Wireless Modem, Quad-Band GSM with Voice Capability	5	EDGE/GSM	591-1050-ND	181.11	176.64	172.39	MTSMC-E-V.R3
			591-1094-ND NEW!	181.11	176.64	172.39	MTSMC-E-V.R4

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380

(T083) 555

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Description	Voltage (V)	Interface	Digi-Key Part No.	1	Price Each	50	100	Multi-Tech Part No.
SocketModem GPRS Wireless Modem, 850/1900MHz	5	GSM/GPRS	591-1011-ND	128.16	125.01	122.00		MTSMC-G-F2.R1.1
SocketModem GPRS Wireless Modem, Quad-Band, 850/1900MHz	5	GSM/GPRS	591-1053-ND	128.16	125.01	122.00		MTSMC-G-F4
			591-1087-ND NEW!	128.16	125.01	122.00		MTSMC-G-F4.R1
SocketModem GPRS Wireless Modem, Quad-Band w/Voice Capability, 850/1900MHz	5	GSM/GPRS	591-1068-ND	128.16	125.01	122.00		MTSMC-G-F4-V
			591-1088-ND NEW!	128.16	125.01	122.00		MTSMC-G-F4-V.R1
SocketModem GPRS Wireless Modem, Quad-Band, 900/1800MHz	5	GSM/GPRS	591-1089-ND	128.16	125.01	122.00		MTSMC-G-F4-ED.R1
SocketModem GPRS Wireless Modem, Quad-Band w/Voice Capability, 900/1800MHz	5	GSM/GPRS	591-1090-ND NEW!	128.16	125.01	122.00		MTSMC-G-F4-V-ED.R1
RJModem® Modem, RJ-11 Port, Serial Data	3.3	V.34	591-1005-ND	39.79	38.75	37.77		MT5656RJ-L-34.R2
		V.92	591-1006-ND	42.45	41.35	40.30		MT5656RJ-L-92.R2
	5	V.92	591-1051-ND	42.45	41.35	40.30		MT5656RJ-92.R2
ModemModule™ GPRS Wireless Modem, 850/1900MHz	5	GSM/GPRS	591-1016-ND	132.05	128.80	125.69		MTMMC-G-F2.R1.1
MMCModem™ GPRS Wireless Modem, Quad-Band, 850/1900 MHz	5	GSM/GPRS	591-1054-ND	132.05	128.80	125.69		MTMMC-G-F4
			591-1091-ND NEW!	132.05	128.80	125.69		MTMMC-G-F4.R1
MMCModem GPRS Wireless Modem, Quad-Band, 900/1800 MHz	5	GSM/GPRS	591-1092-ND NEW!	132.05	128.80	125.69		MTMMC-G-F4-ED.R1
Development Kits								
Universal Socket Modem Development Kit			591-1009-ND	300.00	—	—		MTSMI-UDK
Socket Modem Development Kit for Parallel Interface			591-1013-ND	199.00	—	—		MTSMI-P-DK
RJ Modem Development Kit			591-1014-ND	199.00	—	—		MTRJ-DK
Accessories								
CDMA and F2 Hinged Right Angle Antenna			591-1044-ND	9.73	9.50	9.27		ANCF2-10HRA
F1 Hinged Right Angle Antenna			591-1045-ND	9.73	9.50	9.27		ANF1-10HRA
Bluetooth Hinged Right Angle Reverse Polarity Antenna			591-1046-ND	13.62	13.28	12.96		ANBT-10HRA
SMA to MMCX COAX RF Cable 6 Inch			591-1047-ND	20.25	19.75	19.28		CASMA-MMCX-10
Reverse SMA to MMCX COAX RF Cable 6 Inch			591-1048-ND	20.25	19.75	19.28		CARSMA-MMCX-10
Antenna for GPRS Quad-Band			591-1069-ND	9.73	9.49	9.27		ANQB-50HRA

Dimensions in mm

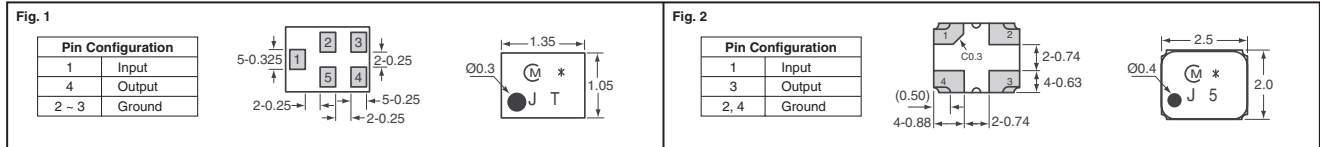


Fig.	Center Frequency (GHz)	Insertion Loss Typical (dB)	Ripple (dB)	Input Signal Level (mW)	Operating Temperature Range	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 2,000	Murata Part No.
							1	10	50			
1	1.575	0.45	0.02	50	-30°C ~ 85°C	490-5016-1-ND	1.22	1.02	.92	490-5016-2-ND	357.00/M	SAFE1G57KB0F00R12
	1.575	0.95	0.03	50	-30°C ~ 85°C	490-5017-1-ND	1.11	.93	.84	490-5017-2-ND	324.00/M	SAFE1G57KE0F00R12
	0.915	1.8	0.3	31.6	-30°C ~ 85°C	490-5019-1-ND	3.36	2.80	2.52	490-5019-2-ND	980.00/M	SAFE1G57MA0F00R12
2	1.575	1.1	0.1	50	-40°C ~ 85°C	490-5018-1-ND	1.95	1.63	1.47	490-5018-2-ND	569.00/M	SAFE1G57KA0T90R12

BandPass Filter

Specifications: • Operating Temperature Range: -40°C ~ 85°C • Power Capacity: 500mW

Dimensions in mm

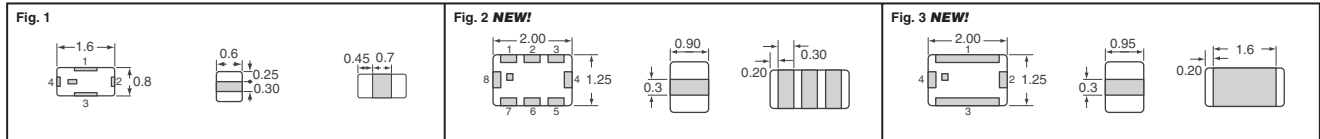


Fig.	Center Frequency (GHz)	Operating Frequency (GHz)	Insertion Loss @ 25°C (dB)	Ripple (dB)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 4,000	Murata Part No.
						1	10	50			
1	2.45	2.4 ~ 2.5	1.8	0.7	490-4743-1-ND	.60	.51	.45	490-4743-2-ND	175.00/M	LFB182G45SG9B740
2	2.45	2.4 ~ 2.5	3.5	—	490-5020-1-ND NEW!	.69	.58	.52	490-5020-2-ND NEW!	200.00/M	LFB212G45BA1A220
3	2.45	2.4 ~ 2.5	1.5	0.5	490-5021-1-ND NEW!	.66	.55	.50	490-5021-2-ND NEW!	192.00/M	LFB212G45SG8A127
			2.6	1.8	490-5022-1-ND NEW!	.66	.55	.50	490-5022-2-ND NEW!	192.00/M	LFB212G45SG8A192

RF Balun Transformers

Chip type SMD baluns constructed with copper conductor and ceramic material. Ideal for high-frequency applications. Small-size and low-loss baluns can be customized for the balance impedance of 100Ω ~ 200Ω. Specifications: • Operating Temperature Range: -40°C ~ 85°C • Power Capacity: 0.5W

Dimensions in mm

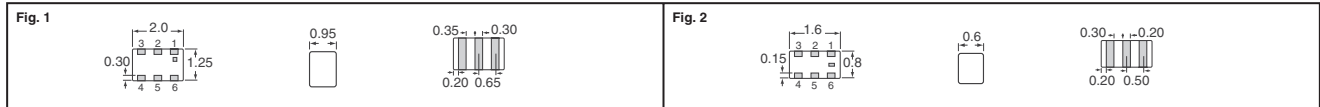


Fig.	Operating Frequency (GHz)	Insertion Loss @ 25°C (dB)	Balance Impedance Dif-Nom. (Ω)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 4,000	Murata Part No.
					1	10	50			
1	2.3 ~ 2.5	1.0	200	490-4744-1-ND	.45	.38	.34	490-4744-2-ND	132.00/M	LDB212G4020C-001
		0.8	50	490-4745-1-ND	.45	.38	.34	490-4745-2-ND	132.00/M	LDB212G4005C-001
2	2.4 ~ 2.5	1.0	50	490-4746-1-ND	.44	.37	.33	490-4746-2-ND	127.00/M	LDB182G4505C-110
		1.0	100	490-5023-1-ND NEW!	.44	.37	.33	490-5023-2-ND NEW!	127.00/M	LDB182G4510C-110
		1.3	200	490-4747-1-ND	.44	.37	.33	490-4747-2-ND	127.00/M	LDB182G4520C-110

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digkey.com