

IrDA Transceivers

Size L x W x H (mm)	Operating Voltage (V)	Link Distance (m)	I/O Supply (V)	Digi-Key Part No.	Cut Tape Price Each 1 10 100	Tape & Reel Qty. Pricing	Vishay Part No.
IrDA 1.152 Mbit/s							
6.8 x 2.8 x 1.6	2.4 - 3.6	0 - ≥0.3	≥1.5	751-1064-1-ND	2.72 2.26 1.95	1,000 1034.14	TFBS4652-TR1
				751-1065-1-ND	2.72 2.26 1.95	2,500 995.26/M	TFBS4652-TR3
IrDA 115.2 Kbit/s							
6.8 x 2.8 x 1.6	2.4 - 3.6	0 - ≥0.3	-	751-1062-1-ND	2.72 2.26 1.95	1,000 1034.14	TFBS4650-TR1
				751-1063-1-ND	2.72 2.26 1.95	2,500 995.26/M	TFBS4650-TR3
6.0 x 3.1 x 1.9	2.4 - 5.5	0 - ≥0.5	-	751-1066-1-ND	2.95 2.26 1.94	1,000 949.72	TFBS4711-TR1
				751-1067-1-ND	2.89 2.30 1.93	2,500 947.87/M	TFBS4711-TR3
8.3 x 3.0 x 2.5	2.4 - 5.5	0 - ≥0.7	≥1.5	751-1068-1-ND	2.95 2.26 1.94	1,000 949.72	TFBS4711-TT1
				751-1072-1-ND	4.13 3.29 2.76	750 1112.96	TFDU4300-TR1
9.7 x 4.7 x 4.0	2.4 - 5.5	0 - ≥1.0	-	751-1073-1-ND	4.13 3.29 2.76	2,500 1356.75/M	TFDU4300-TR3
				751-1074-1-ND	4.13 3.29 2.76	750 1112.96	TFDU4300-TT1
SIR Encoder/Decoder				751-1070-1-ND	4.79 3.98 3.43	1,000 1822.05	TFDU4101-TR3
				751-1071-1-ND	4.79 3.98 3.43	1,000 1822.05	TFDU4101-TT3
IrDA 4 Mbit/s							
8.5 x 3.1 x 2.5	2.4 - 3.6	0 - ≥0.7	-	751-1082-1-ND	4.01 3.33 2.87	2,500 1469.20/M	TFDU6300-TR3
				751-1083-1-ND	4.01 3.33 2.87	2,500 1469.20/M	TFDU6300-TT3
8.5 x 3.1 x 2.5	2.4 - 3.6	0 - ≥0.7	1.8	751-1084-1-ND	4.01 3.33 2.87	2,500 1469.20/M	TFDU6301-TR3
				751-1085-1-ND	4.01 3.33 2.87	2,500 1469.20/M	TFDU6301-TT3

† For Tape and Reel part number, change 1-ND to 2-ND.

IrDA Receiver Modules

Features: • 3V and 5V versions with frequencies from 30kHz to 56kHz • IR Receiver modules optimized for noise suppression • Wireless transceiver module is compatible with IrDA standard

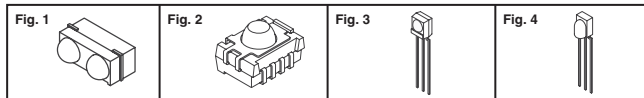


Fig.	Supply Voltage (V)	Carrier Frequency (kHz)	Digi-Key Part No.	Cut Tape Price Each 25 100	Tape & Reel Qty. Pricing	Vishay Part No.	
1	2.7 - 5.5	38	751-1392-1-ND	2.29 1.58 1.50	1,000 748.69	TSOP85338	
			751-1391-1-ND	2.44 1.69 1.60	2,500 755.04/M	TSOP85238	
			751-1445-1-ND	2.44 1.86 1.60	2,500 755.04/M	TSOP85238TR	
2	2.7 - 5.5	38	751-1446-1-ND	1.74 1.33 1.15	1,120 570.21/M	TSOP36238TR	
			751-1384-5-NDΔ	.95 .77 .64	—	—	TSOP32338
3	2.5 - 5.5	38	751-1385-5-NDΔ	.95 .77 .64	—	—	TSOP34338
			751-1386-5-NDΔ	1.31 1.05 .88	—	—	TSOP34838
			751-1388-5-NDΔ	.71 .57 .48	—	—	TSOP39338
4	2.5 - 5.5	38	751-1390-5-NDΔ	.71 .57 .48	—	—	TSOP39338
			751-1389-5-NDΔ	.53 .43 .36	—	—	TSOP39238CZ1

† For Tape and Reel part number, change 1-ND to 2-ND. Δ Tube

SHARP Remote Control Receivers

Supply Voltage 2.4 to 5.5V

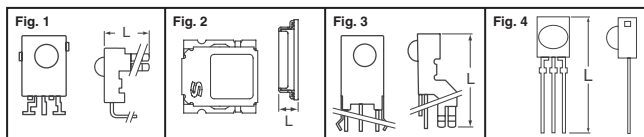


Fig.	Detecting Window	B.P.F. to (kHz) Typ.	Current Dissipation Icc (mA) Max.	Dim. L (mm)	Digi-Key Part No.	Price Each 1 10 100	Sharp Part No.
1	Top	36.0	0.4	8.6	425-2511-ND♦	.78 .66 .53	GP1UE260RKVF
		36.0	0.4	13.8	425-2654-ND♦	.91 .72 .53	GP1UE270RKVF
		36.7	0.6	13.8	425-2520-ND♦	.98 .82 .66	GP1UM272RKVF
		36.7	1.5	13.8	425-1141-ND§	.82 .66 .54	GP1UM272RK
		36.7	1.5	13.8	425-1142-ND	.82 .66 .54	GP1UM272XK
		36.7	0.2	14.0	425-1121-ND	.83 .67 .56	GP1UD272XK
		36.7	1.5	17.8	425-1150-ND§	.82 .66 .54	GP1UM282RK
		36.7	0.2	18.0	425-1126-ND	.83 .67 .56	GP1UD282XK
		38.0	0.4	8.6	425-2512-ND♦	.78 .66 .53	GP1UE261RKVF
		38.0	0.2	8.80	425-1931-5-ND♦Δ	.83 .67 .56	GP1UD261XKOF
		38.0	1.5	8.80	425-2007-ND♦	.82 .66 .54	GP1UM261XKOF
		38.0	0.4	13.8	425-2515-ND♦	.78 .66 .53	GP1UE271RKVF
		38.0	0.6	13.8	425-2516-ND♦	.78 .66 .53	GP1UE271XKVF
		38.0	0.6	13.8	425-2610-ND♦	.98 .82 .66	GP1UM271RKVF
		38.0	0.6	13.8	425-2611-ND♦	.98 .82 .66	GP1UM271XKVF
		38.0	0.4	17.8	425-2517-ND♦	.78 .66 .53	GP1UE281RKVF
		38.0	0.4	17.8	425-2518-ND♦	.78 .66 .53	GP1UE281XKVF
		38.0	0.4	17.8	425-2522-ND♦	.98 .82 .66	GP1UM281XKVF
38.0	0.6	18.0	425-1905-ND	.78 .66 .53	GP1UE281XK		

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.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

(UK091) 2309

Fig.	Detecting Window	B.P.F. to (kHz) Typ.	Current Dissipation Icc (mA) Max.	Dim. L (mm)	Digi-Key Part No.	Price Each 1 10 100	Sharp Part No.
1	Top	40.0	0.4	8.6	425-2513-ND♦	.78 .66 .53	GP1UE260KOVF
		40.0	0.4	8.6	425-2514-ND♦	.78 .66 .53	GP1UE26XKOVF
		40.0	0.4	15.8	425-2521-ND♦	.98 .82 .66	GP1UM27XKOVF
		40.0	0.4	17.8	425-2526-ND♦	.98 .82 .66	GP1UM28XKOVF
		40.0	1.5	13.8	425-1145-ND§	.82 .66 .54	GP1UM27RK
		40.0	1.5	13.8	425-1146-ND	.82 .66 .54	GP1UM27XK
		40.0	0.6	14.0	425-1904-ND	.78 .66 .53	GP1UE27XK
		40.0	0.6	18.0	425-1909-ND	.78 .66 .53	GP1UE28XK
		56.8	0.6	8.80	425-1900-ND	.78 .66 .53	GP1UE267XK
		56.8	1.5	13.8	425-1143-ND§	.82 .66 .54	GP1UM277RK
		56.8	1.5	13.8	425-1144-ND	.82 .66 .54	GP1UM277XK
		56.8	0.2	14.0	425-1122-ND	.83 .67 .56	GP1UD277XK
		56.8	0.6	14.0	425-1903-ND	.78 .66 .53	GP1UE277XK
		56.8	0.6	17.8	425-2525-ND♦	.98 .82 .66	GP1UM287RKVF
		56.8	1.5	17.8	425-1154-ND§	.82 .66 .54	GP1UM287RK
		56.8	1.5	17.8	425-1155-ND	.82 .66 .54	GP1UM287XK
		56.8	0.2	18.0	425-1128-ND	.83 .67 .56	GP1UD287XK
		56.8	0.6	18.0	425-1907-ND	.78 .66 .53	GP1UE287XK
2	Top	36.0	0.6	0.95	425-2656-1-ND♦†	1.71 1.34 .88	GP1US300XP
		36.0	0.6	0.95	425-2656-2-ND♦‡	1897.04/3,000	GP1US300XP
		36.0	0.6	0.95	425-2527-1-ND♦†	1.22 .98 .81	GP1US301XP
		36.0	0.6	0.95	425-2527-2-ND♦‡	1860.56/3,000	GP1US301XP
		40.0	0.6	0.95	425-2703-1-ND♦†	1.22 .98 .81	GP1US303XP
		40.0	0.6	0.95	425-2703-2-ND♦‡	1897.04/3,000	GP1US303XP
		36.7	0.2	16.6	425-1127-ND	.83 .67 .56	GP1UD282YK
		36.7	0.6	17.8	425-2524-ND♦	.98 .82 .66	GP1UM282QKVF
		36.7	0.4	22.6	425-2609-ND♦	.78 .66 .53	GP1UE292QKVF
		38.0	0.4	16.1	425-2608-ND♦	.78 .66 .53	GP1UE281QKVF
		38.0	0.5	16.1	425-2612-ND♦	.98 .82 .66	GP1UM281QKVF
		3	Side	38.0	1.5	16.1	425-1147-ND§
38.0	1.5			16.1	425-1148-ND	.82 .66 .54	GP1UM281YK
38.0	0.4			17.8	425-2523-ND♦	.98 .82 .66	GP1UM281YKVF
56.8	1.5			16.1	425-1153-ND§	.82 .66 .54	GP1UM287QK
56.8	1.5			16.1	425-1156-ND	.82 .66 .54	GP1UM287YK
56.8	0.6			16.6	425-1908-ND	.78 .66 .53	GP1UE287YK
4	Side	38.0	0.4	28.0	425-2528-ND♦	.70 .59 .47	GP1UX3110S
		38.0	1.5	28.0	425-1911-ND♦	.70 .59 .47	GP1UX5010S
		38.0	0.6	28.0	425-2501-ND♦§	.70 .59 .47	GP1UX5110S
40.0	1.5	16.1	425-2655-ND♦	1.15 .90 .66	GP1UM28YKOVF		

♦ RoHS Compliant † Cut Tape ‡ Tape and Reel Δ Tube § With mesh

IrDA Transceiver Module

Sharp's opto-wireless transceiver module is compatible with IrDA standard.
Applications: • Cellular phones • PDA • Personal computers

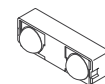


Data Vcc (V)	Transfer Rate SIR (kbps)	Digi-Key Part No.	Cut Tape Price Each 1 10 100	Tape & Reel Pricing 2,000	Sharp Part No.
IrDA 115 Kbit/s, 20cm					
1.7 - 2.5	2.4 - 115.2	425-1173-1-ND	1.86 1.63 1.31	1176.47/M	GP2W0112YP
2.0 - 3.6	2.4 - 115.2	425-1915-1-ND	1.45 1.28 1.02	—	GP2W0116VPS
2.4 - 3.6	9.6 - 115.2	425-2613-1-ND♦	2.22 1.49 1.04	937.50/M	GP2W3270PPOF
		425-2614-1-ND♦	1.73 1.38 1.04	873.16/M	GP2W3270YPOF

♦ RoHS Compliant † For Tape and Reel part number, change 1-ND to 2-ND.

zilog IrDA Transceiver Module

Zilog's opto-wireless transceiver module is compatible with IrDA standard.
Applications: • Portable printers • Handheld computers • Personal data assistants (PDAs)



Data Vcc (V)	Transfer Rate (kbps)	Digi-Key Part No.	Cut Tape Price Each 25 100	Tape & Reel Qty. Pricing	Zilog Part No.
2.4 - 3.6	115.2	269-4499-1-ND♦	3.22 2.42 2.15	—	ZHX1203MB115TH2090TR
		269-3862-1-ND♦	3.22 2.42 2.15	2,500 1783.64/M	ZHX1223TB115THTR
		269-3821-1-ND♦	3.53 2.65 2.36	2,500 1952.36/M	ZHX1423TA115THTR
2.4 - 5.5	115.2	269-4500-1-ND♦	2.94 2.21 1.97	2,000 1401.18/M	ZHX1810MV115TH2090TR
		269-3126-1-ND♦	2.94 2.21 1.97	2,000 1401.18/M	ZHX1820TV115THTR
		269-3244-1-ND♦	3.05 2.29 2.04	2,000 1452.00/M	ZHX1820TV115XHTR
2.7 - 5.5	4,000	269-3636-1-ND	3.38 2.54 2.26	—	ZHX2022MV040THTR
		269-3637-1-ND	3.38 2.54 2.26	—	ZHX2022TV040THTR

♦ RoHS Compliant † For Tape and Reel part number, change 1-ND to 2-ND.

LITEON IrDA Transceiver Modules

Supply Voltage	Data Rate Maximum	Digi-Key Part No.	Price Each 1 10 100	Tape & Reel Qty. Pricing	Lite-On Part No.
2.7 - 5.5V	115.2 kb/s	516-1271-1-ND	2.03 1.77 1.52	—	HSDL-3000#007
2.7 - 3.6V	115.2 kb/s	516-1272-1-ND	2.46 2.16 1.85	500 820.74	HSDL-3201#001
2.4 - 3.6V	115.2 kb/s	516-1273-1-ND	1.96 1.72 1.47	—	HSDL-3208-021
2.4 - 3.6V	115.2 kb/s	516-1700-1-ND	2.07 1.82 1.56	2,500 1380.85/M	HSDL-3209-021
2.7 - 3.6V	4.0 Mb/s	516-1701-1-ND	2.25 1.97 1.69	—	HSDL-3220-021
2.7 - 3.6V	4.0 Mb/s	516-1274-1-ND	2.54 2.22 1.90	400 675.90	HSDL-3602-007
IR 3/16 Encoder/Decoder		516-1702-1-ND	2.50 2.30 2.09	—	HSDL-7002

† For Tape and Reel part number, change 1-ND to 2-ND.