

MarkTech Optoelectronics

SWIR Emitters

SWIR

Product	Peak Wavelength	Angle	Power	Bandwidth	Conditions IF	Forward Voltage	Package
MT51020-IR	1020	20	20	50	100	1.25	5mm Plastic Round (2 pin)
MT51060-IR	1060	20	8	80	100	1.25	5mm Plastic Round (2 pin)
MTE0012-526-IR	1200	25	3.0	70	20	0.9	5mm Plastic Round (2 pin)
MTE0012-996-IR	1200	60	4.5	62	20	1.0	3.5x2.7 mm Flat Top SMD
MTE0013-526-IR	1300	20	4.4	70	20	0.85	5mm Plastic Round (2 pin)
MTE0013-996-IR	1300	60	5.5	69	20	1.0	3.5x2.7 mm Flat Top SMD
MTE1200C2	1200	120	9.5	66	50	1.14	3mm Plastic Flat Lens - (2 pin)
MTE1200D4	1200	110	13.8	65	50	1.08	3mm Plastic Domed Lens - (2 pin)
MTE1200N-WRC	1200	16	5.9	61	50	1.10	TO-46 Metal Can Domed Lens - (2 pin)
MTE1200N2	1200	45	10	70	50	1.05	5mm Plastic Flat Lens (2 pin)
MTE1200N5	1200	5	13.5	70	50	1.05	5mm Plastic Round (2 pin)
MTE1200W-WRC	1200	100	6.1	60	50	1.09	TO-46 Metal Can Flat Lens - (2 pin)
MTE1201C1	1210	25	12	75	50	1.10	5mm Plastic Round (2 pin)
MTE1300C2	1300	120	8.7	70	50	1.05	3mm Plastic Flat Lens - (2 pin)
MTE1300D4	1300	110	12.9	71	50	1.07	3mm Plastic Domed Lens - (2 pin)
MTE1300N-WRC	1300	16	5.3	69	50	1.05	TO-46 Metal Can Domed Lens - (2 pin)
MTE1300N2	1300	45	9.0	70	50	1.00	5mm Plastic Flat Lens (2 pin)
MTE1300N5	1300	5	13.5	70	50	1.05	5mm Plastic Round (2 pin)
MTE1300W-WRC	1300	100	5.8	69	50	1.07	TO-46 Metal Can Flat Lens - (2 pin)
MTE1301C1	1310	25	10	80	50	1.00	5mm Plastic Round (2 pin)
MTE1901C1	1885	25	2	150	50	0.90	5mm Plastic Round (2 pin)
MTE1901W-WRC	1900	75	1.1	125	20	0.8	TO-18 Metal Can Flat Lens (2 pin)
MTE2017-015-IR	1720	6	1	130	20	0.7	TO-46 Metal Can Domed (2 pin)
MTE2017-095-IR	1720	45	1	130	20	0.7	TO-46 Metal Can Flat (2 pin)
MTE2117C1	1760	25	3	225	50	0.95	5mm Plastic Round (2 pin)
MTE4110C1	1040	25	24	40	50	1.30	5mm Plastic Round (2 pin)

MTE4110C2	1040	120	18.6	34	50	1.32	3mm Plastic Flat Lens - (2 pin)
MTE4110D4	1040	110	26.3	35	50	1.32	3mm Plastic Domed Lens - (2 pin)
MTE4110N-WRC	1040	16	11.9	34	50	1.33	TO-46 Metal Can Domed Lens - (2 pin)
MTE4110N2	1040	45	19.5	36	50	1.30	5mm Plastic Flat Lens (2 pin)
MTE4110N5	1040	5	28.5	40	50	1.30	5mm Plastic Round (2 pin)
MTE4110W-WRC	1040	100	12.8	35	50	1.33	TO-46 Metal Can Flat Lens - (2 pin)
MTE5010-015-IR	1050	6	1.6	100	20	1.15	TO-46 Metal Can Domed (2 pin)
MTE5010-095-IR	1050	40	19	100	50	1.2	TO-46 Metal Can Flat (2 pin)
MTE5010-525-IR	1050	20	4	50	20	1.15	5mm Plastic Round (2 pin)
MTE5010-995-IR	1050	45	7.5	80	50	1.2	3.5x2.7mm Flat Top SMD (2 pin)
MTE5015-526-IR	1550	20	1.8	130	20	0.75	5mm Plastic Round (2 pin)
MTE5015-996-IR	1550	60	6	120	50	1.05	3.5x2.7 mm Flat Top SMD
MTE5016-526-IR	1650	20	3.0	100	20	0.7	5mm Plastic Round (2 pin)
MTE5016-996-IR	1650	60	1.5	100	20	0.7	3.5x2.7 mm Flat Top SMD
MTE5115C1	1545	25	4.6	115	50	1.00	5mm Plastic Round (2 pin)
MTE5115C2	1550	120	4.7	98	50	1.07	3mm Plastic Flat Lens - (2 pin)
MTE5115D4	1550	110	6.3	100	50	1.04	3mm Plastic Domed Lens - (2 pin)
MTE5115N-WRC	1550	16	3.1	103	50	1.07	TO-46 Metal Can Domed Lens - (2 pin)
MTE5115N2	1550	45	4.5	100	50	1.00	5mm Plastic Flat Lens (2 pin)
MTE5115N5	1550	5	6.5	100	50	1.00	5mm Plastic Round (2 pin)
MTE5115W-WRC	1550	100	3.2	103	50	1.31	TO-46 Metal Can Flat Lens - (2 pin)
MTE5116C1	1635	25	4.4	120	50	1.00	5mm Plastic Round (2 pin)
MTE5116C2	1650	120	3.8	118	50	1.02	3mm Plastic Flat Lens - (2 pin)
MTE5116D4	1650	110	5.5	113	50	0.97	3mm Plastic Domed Lens - (2 pin)
MTE5116N-WRC	1650	16	3.0	115	50	0.99	TO-46 Metal Can Domed Lens - (2 pin)
MTE5116N2	1650	45	3.5	115	50	0.95	5mm Plastic Flat Lens (2 pin)
MTE5116N5	1650	5	4.6	110	50	0.95	5mm Plastic Round (2 pin)
MTE5116W-WRC	1650	100	3.1	116	50	0.99	TO-46 Metal Can Flat Lens - (2 pin)
MTE6014-526-IR	1450	20	3.6	150	20	0.8	5mm Plastic Round (2 pin)
MTE6014-996-IR	1460	60	6	118	50	1.05	3.5x2.7 mm Flat Top SMD

MTE6114C1	1445	25	6.0	115	50	1.00	5mm Plastic Round (2 pin)
MTE6114C2	1460	120	5.6	106	50	1.00	3mm Plastic Flat Lens - (2 pin)
MTE6114D4	1460	110	8.6	105	50	1.05	3mm Plastic Domed Lens - (2 pin)
MTE6114N-WRC	1460	16	3.7	103	50	1.02	TO-46 Metal Can Domed Lens - (2 pin)
MTE6114N2	1460	45	6.0	100	50	1.00	5mm Plastic Flat Lens (2 pin)
MTE6114N5	1460	5	7.5	100	50	1.00	5mm Plastic Round (2 pin)
MTE6114W-WRC	1460	100	3.9	103	50	1.16	TO-46 Metal Can Flat Lens - (2 pin)
MTE7110C1	1070	25	25	45	50	1.30	5mm Plastic Round (2 pin)
MTE7110C2	1070	120	18.5	38	50	1.30	3mm Plastic Flat Lens - (2 pin)
MTE7110D4	1070	110	26.3	37	50	1.30	3mm Plastic Domed Lens - (2 pin)
MTE7110N-WRC	1070	16	12.2	37	50	1.34	TO-46 Metal Can Domed Lens - (2 pin)
MTE7110N2	1070	45	21.0	40	50	1.30	5mm Plastic Flat Lens (2 pin)
MTE7110N5	1070	5	30	45	50	1.30	5mm Plastic Round (2 pin)
MTE7110W-WRC	1070	100	13.3	38	50	1.31	TO-46 Metal Can Flat Lens - (2 pin)
MTSM0012-194-IR	1200	120	11	73	50	1.1	3.2x1.6mm Flat Top SMD (2 pin)
MTSM0012-844-IR	1200	40	12	73	50	1.1	3.2x1.6mm Domed Top SMD (2 pin)
MTSM0013-194-IR	1300	40	11	78	50	1.1	3.2x1.6mm Flat Top SMD (2 pin)
MTSM0013-844-IR	1300	40	11	78	50	1.1	3.2x1.6mm Domed Top SMD (2 pin)
MTSM1200MT2-BK	1200	55	4.6	63	50	1.06	3.5x2.7 mm Flat Top SMD (2pin)
MTSM1201SM1	1200	130	10	72	50	1.06	1.6x1.6 mm Square SMD (2 pin)
MTSM1201SMR2	1195	40	5	51	50	0.96	5.0x5.0 mm SMD Dome Lens
MTSM1300MT2-BK	1300	55	4.0	70	50	1.03	3.5x2.7 mm Flat Top SMD (2pin)
MTSM1301SM1	1300	130	9	76	50	1.06	1.6x1.6 mm Square SMD (2 pin)
MTSM1301SMR2	1350	40	4.6	60	50	0.88	5.0x5.0 mm SMD Dome Lens
MTSM1901SMR2	1870	40	2.4	100	50	0.73	5.0x5.0 mm SMD Dome Lens
MTSM2010-496-IR	1020	150	17mW / sr	40	350	1.2	3.8x3.8mm Flat Top SMD (2 pin)
MTSM2017SMR2	1735	40	3.0	106	50	0.75	5.0x5.0 mm SMD Dome Lens
MTSM4110MT2-BK	1040	55	9.0	36	50	1.30	3.5x2.7 mm Flat Top SMD (2pin)
MTSM4110SM1	1040	130	18	43	50	1.35	1.6x1.6 mm Square SMD (2 pin)
MTSM4410SMR2	1030	40	13	30	50	1.20	5.0x5.0 mm SMD Dome Lens

MTSM5010-199-IR	1050	100	1.2mW / sr	80	50	1.2	3.2x1.6mm Flat Top SMD (2 pin)
MTSM5010-496-IR	1050	120	38	50	350	1.50	3.8x3.8mm Flat Top SMD (2 pin)
MTSM5010-843-IR	1050	50	11	40	50	1.3	3.2x1.6mm Domed Top SMD (2 pin)
MTSM5015-194-IR	1550	120	6	120	50	1.05	3.2x1.6mm Flat Top SMD (2 pin)
MTSM5015-844-IR	1550	40	6	120	50	1.05	3.2x1.6mm Domed Top SMD (2 pin)
MTSM5016-199-IR	1650	100	1.7	130	50	1	3.2x1.6mm Flat Top SMD (2 pin)
MTSM5016-843-IR	1650	50	3	130	50	1	3.2x1.6mm Domed Top SMD (2 pin)
MTSM5115MT2-BK	1550	60	2.1	100	50	1.05	3.5x2.7 mm Flat Top SMD (2pin)
MTSM5115SM1	1550	130	4.6	125	50	1.06	1.6x1.6 mm Square SMD (2 pin)
MTSM5116MT2-BK	1650	60	1.9	115	50	0.95	3.5x2.7 mm Flat Top SMD (2pin)
MTSM5116SM1	1650	130	5	125	50	0.96	1.6x1.6 mm Square SMD (2 pin)
MTSM5415SMR2	1550	40	3.8	90	50	0.84	5.0x5.0 mm SMD Dome Lens
MTSM5416SMR2	1650	40	3.3	100	50	0.77	5.0x5.0 mm SMD Dome Lens
MTSM6014-194-IR	1460	120	5.6	118	50	1.05	3.2x1.6mm Flat Top SMD (2 pin)
MTSM6014-844-IR	1460	40	6	118	50	1.05	3.2x1.6mm Domed Top SMD (2 pin)
MTSM6114MT2-BK	1450	55	2.5	100	50	1.00	3.5x2.7 mm Flat Top SMD (2pin)
MTSM6114SM1	1460	130	6	115	50	1.06	1.6x1.6 mm Square SMD (2 pin)
MTSM6410SMR2	1060	40	12.6	36	50	1.10	5.0x5.0 mm SMD Dome Lens
MTSM6414SMR2	1460	40	4.3	40	50	0.88	5.0x5.0 mm SMD Dome Lens
MTSM7110MT2-BK	1070	55	9.6	37	50	1.32	3.5x2.7 mm Flat Top SMD (2pin)
MTSM7110SM1	1070	130	21	44	50	1.35	1.6x1.6 mm Square SMD (2 pin)

