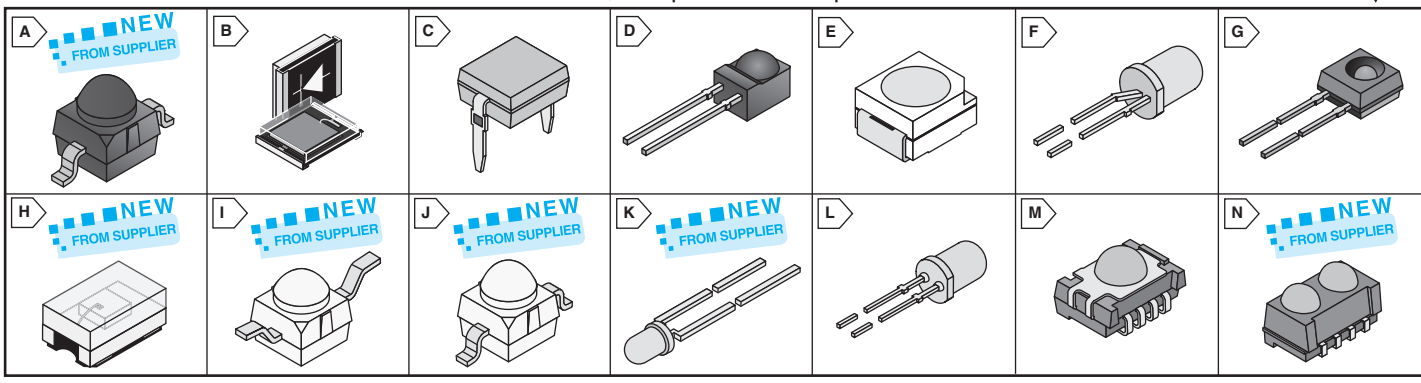


VISHAY Opto Components

RoHS Compliant This product is RoHS compliant.



DETECTORS



RoHS Compliant

Photo PIN Diodes

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Angle of Half Intensity (°)	Reverse Light Current				Peak Wavelength Sensitivity (nm)	Reverse Dark Current (typ)(nA)	Rise/Fall Times (ns)	Price Each			
Mfr.	Mfr. Part No.			(min/typ) (uA)	@ Rev. Volt (V)	@Ee (mW/cm ²)	@ Wavelength (nm)				1	100	500	1000
Surface Mount														
	782-VEMD2020X01	A	±15	5/12	5.0	1.0	950	940	1.0	100/100	.50	.40	.33	.29
	782-TEMD5080X01	B	±65	---/60	5.0	1.0	950	940	2.0	40/40	1.31	1.05	.87	.76
	782-TEMD5010	B	±65	40/55	5.0	1.0	950	900	2.0	100/100	1.01	.84	.70	.61
Thru-Hole														
	782-BPV22NF	C	±60	55/85	5.0	1.0	870	940	2.0	100/100	.66	.55	.46	.399
	782-BPW34	D	±65	40/50	5.0	1.0	950	900	2.0	100/100	.71	.60	.50	.435

Photo Transistors

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Angle of Half Intensity (°)	Collector Dark Current		DC Current Gain	Peak Wavelength Sensitivity (nm)	Collector Emitter Voltage (max) (V)	Collector Light Current (typ) (mA)	Turn-On/ Turn-Off Times (us)	Price Each			
Mfr.	Mfr. Part No.			(min/typ) (nA)	@ VCE (V)						1	100	500	1000
Surface Mount														
	782-VENT2020X01	A	±15	1/100	5.0	6.0	860	20	6.0	---/---	.47	.37	.31	.27
	782-VENT3700	E	±60	1/200	20.0	0.5	850	70	0.5	6/2	.54	.43	.36	.31
Thru-Hole														
	782-BPV11F	F	±15	1/50	10.0	9.0	930	70	9.0	6/5	.57	.48	.40	.347
	782-TEKTS400S	G	±37	1/100	20.0	4.0	920	70	4.0	6/5	.55	.46	.38	.336



RoHS Compliant

EMITTERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Angle of Half Intensity (°)	Radiant Intensity @ IF		Forward Voltage @ IF		Peak Emission Wavelength (nm)	Rise/Fall Times (ns)	Price Each			
Mfr.	Mfr. Part No.			(min/typ) (mW/sr)	(mA)	(typ/max) (V)	(mA)			1	100	500	1000
Surface Mount													
	782-VSMB1940X01	H	±60	3/6	100	1.35/1.6	100	940	15/15	.53	.42	.35	.30
	782-VSML3710	E	±60	4/8	100	1.35/1.6	100	940	800/800	.31	.25	.21	.18
	782-VSMF3710	E	±60	6/10	100	1.4/1.6	100	890	30/30	.40	.32	.26	.23
	782-VSMF4720	E	±60	10/16	100	1.45/1.6	100	870	15/15	.55	.44	.36	.32
	782-VSMB3940X01	E	±60	7/13	100	1.35/1.6	100	940	15/15	.41	.33	.27	.24
	782-VSMB2000X01	I	±12	20/40	100	1.35/1.6	100	940	15/15	.44	.35	.29	.25
	782-VSMB2020X01	J	±12	20/40	100	1.35/1.6	100	940	15/15	.44	.35	.29	.25
Thru-Hole													
	782-VSLB3940	K	±22	32/65	100	1.35/1.6	100	940	15/15	.36	.29	.24	.21
	782-TSAL6100	L	±10	40/60	100	1.35/1.6	100	940	800/800	.28	.22	.142	.137
	782-TSAL6200	L	±17	40/60	100	1.35/1.6	100	940	800/800	.28	.22	.142	.137
	782-TSAL7200	L	±17	40/60	100	1.35/1.6	100	940	800/800	.21	.17	.14	.12
	782-TSAL6400	L	±25	25/40	100	1.35/1.6	100	940	800/800	.28	.22	.142	.137
	782-TSAL7400	L	±25	25/40	100	1.35/1.6	100	940	800/800	.21	.17	.14	.12
	782-TSKS5400S	G	±30	2.0/---	50	1.3/1.7	100	950	400/450	.52	.37	.308	.275



RoHS Compliant

RECEIVERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Supply Voltage (V)	Supply Current (Typ.)(mA)	Carrier Frequency (kHz)	Trans. Dist. (m)	Cont. Data Trans.	Power Consumption (mW)	Directivity (°)	Burst Length Cycles/Burst	Price Each			
Mfr.	Mfr. Part No.										1	100	500	1000
Surface Mount														
	782-TSOP36136	M	2.7 to 5.5	1.2	36.0	35.0	2200 bits/sec	30.0	±45	⇒6	1.50	1.20	.99	.87
	782-TSOP36138	M	2.7 to 5.5	1.2	38.0	35.0	2200 bits/sec	30.0	±45	⇒6	1.50	1.20	.99	.87
	782-TSOP36156	M	2.7 to 5.5	1.2	56.0	35.0	2200 bits/sec	30.0	±45	⇒6	1.50	1.20	.99	.87
	782-TSOP36236	M	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	±45	⇒6	1.43	1.14	.94	.83
	782-TSOP36238	M	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	±45	⇒6	1.43	1.14	.94	.83
	782-TSOP36256	M	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	±45	⇒6	1.43	1.14	.94	.83
	782-TSOP6136	M	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	±50	⇒6	1.13	.90	.74	.65
	782-TSOP6138	M	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	±50	⇒6	1.34	1.13	.92	.817
	782-TSOP6156	M	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	±50	⇒6	1.41	1.13	.93	.817
	782-TSOP6236	M	4.5 to 5.5	1.2	36.0	35.0	800 bits/sec	50.0	±50	⇒10	1.34	1.08	.89	.78
	782-TSOP6238	M	4.5 to 5.5	1.2	38.0	35.0	800 bits/sec	50.0	±50	⇒10	1.29	1.08	.889	.78
	782-TSOP6256	M	4.5 to 5.5	1.2	56.0	35.0	800 bits/sec	50.0	±50	⇒10	1.35	1.08	.89	.78
	782-TSOP75238	N	2.5 to 5.5	3.0	38.0	45.0	1800 bursts/sec	10.0	±50	⇒10	.85	.68	.56	.49

