

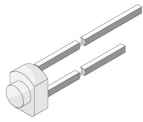
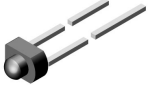
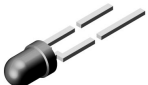


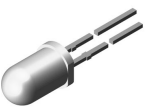
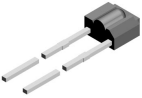
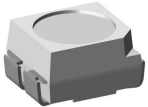
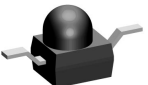


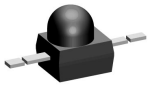
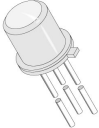

DESCRIPTION	PART NUMBER	FILTER BANDWIDTH [nm]	ANGLE $\pm \phi$ [°]	COLLECT OR LIGHT CURRENT I_{ca}	SPEED t_r / t_f [μs]	REMARKS
1.8 mm T 3/4 Package Photo Transistors 	BPW16N	No Filter	40	0.14 (>0.07)	5	for visible or IR radiation
1.8 mm T 3/4 Lens Package Photo Transistors 	BPW17N	No Filter	12	1.0 (>0.5)	5	for visible or IR radiation
3 mm T 13 mm T1 Package Photo Transistors 	BPW85A	No Filter	25	0.8-2.5	2.3	for visible or IR radiation
	BPW85B	No Filter	25	1.5-4.0	2.3	for visible or IR radiation
	BPW85C	No Filter	25	3.0-8.0	2.3	for visible or IR radiation
	TEFT4300	870...1050	30	3.2 (>0.8)	2.3	Filter Matched for GaAs IREDs (950nm)
5 mm T 1 3/4 Package Photo Transistors 	BPV11	No Filter	15	10 (>3)	6	for visible or IR radiation
5 mm T 1 3/4 Package Photo Transistors 	BPV11F	870...1050	15	9 (>3.0)	6	Filter Matched for GaAs IREDs (950nm)
5 mm T 1 3/4 Package Photo Transistors 	BPW96A	No Filter	20	1.5-4.5	2.3	for visible or IR radiation
	BPW96B	No Filter	20	2.5-7.5	2.3	for visible or IR radiation
	BPW96C	No Filter	20	4.5-15	2.3	for visible or IR radiation
Side View w Lens Package Photo Transistors 	TEST2600	870...1050	30/60	2.5 (>1.0)	6	With Filter Matched for GaAs IREDs (950nm)

Photo Detectors

Vishay



DESCRIPTION	PART NUMBER	FILTER BANDWIDTH [nm]	ANGLE $\pm \phi$ [°]	COLLECTOR LIGHT CURRENT I_{ca}	SPEED t_r / t_f [μs]	REMARKS
PLCC2 Package Photo Transistors 	TEMT4700	No Filter	60	0.5 (>0.25)	2	for visible or IR radiation
	TEMT3700	No Filter	60	0.5 (>0.25)	2	for visible or IR radiation
1.8 mm T 3/4 Package Photo Transistors 	TEMT1000	750...980	15	7 (>2)	2	Filter Matched for near IR
1.8 mm T 3/4 Package Photo Transistors 	TEMT1020	750...980	15	7 (>2)	2	Filter Matched for near IR
1.8 mm T 3/4 Package Photo Transistors 	TEMT1030	750...980	15	7 (>2)	2	Filter Matched for near IR
1.8 mm T 3/4 Package Photo Transistors 	TEMT1040	750...980	15	7 (>2)	2	Filter Matched for near IR
TO18 3-PIN Package Photo Transistors 	BPW76A	No Filter	40	0.4-0.8	6	Hermetically Sealed
	BPW76B	No Filter	40	1.2 (>0.6)	6	Hermetically Sealed
TO18 3-PIN Package Photo Transistors 	BPW77NA	No Filter	10	7.5-15	6	Hermetically Sealed
	BPW77NB	No Filter	10	20 (>10.0)	6	Hermetically Sealed



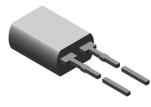
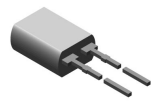
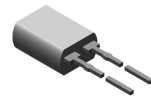
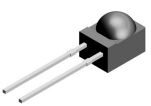
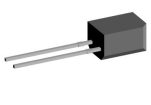
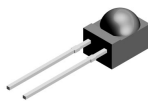
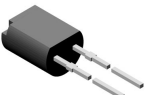
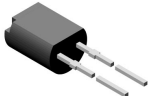
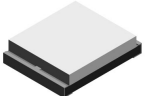
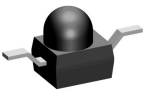
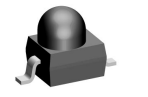

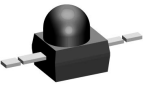

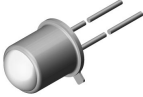
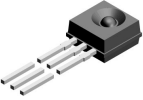
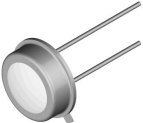
DESCRIPTION	PART NUMBER	FILTER BANDWIDTH [nm]	ANGLE $\pm \phi$ [°]	SENSITIVITY I_{ra} [μA]	SPEED t_r / t_f [μs]	REMARKS
5 mm T 1 3/4 Package Photo PIN Diodes 	BPV10	No Filter	20	70 (>30)	0.0025	Clear Plastic Package
5 mm T 1 3/4 Package Photo PIN Diodes 	BPV10NF	790...1050	20	60 (>30)	0.0025	Filter Matched for GaAIAs IREDs (870nm + 950nm)
Side View w/o Lens Package Photo PIN Diodes 	BPW83	790...1050	65	45 (>43)	0.1	Filter Matched for GaAIAs IREDs (870nm + 950nm)
	S186P	870...1050	65	45 (>43)	0.1	Filter Matched for GaAs IREDs (950nm)
Side View w/o Lens Package Photo PIN Diodes 	BPW46	No Filter	65	50 (>40)	0.1	for visible or IR radiation
Side View w/o Lens Package Photo PIN Diodes 	BPW46L	No Filter	65	50 (>40)	0.1	for visible or IR radiation
Side View w Lens Package Photo PIN Diodes 	BPV22F	870...1050	60	80 (>55)	0.1	Filter Matched for GaAs IREDs (950nm)
	BPV22NF	790...1050	60	85 (>55)	0.1	Filter Matched for GaAIAs IREDs (870nm + 950nm)
	BPV23F	870...1050	60	63 (>45)	0.07	Filter Matched for GaAs IREDs (950nm)
	BPV23NF	790...1050	60	65 (>45)	0.07	Filter Matched for GaAIAs IREDs (870nm + 950nm)
Side View w/o Lens Package Photo PIN Diodes 	BPW41N	870...1050	65	45 (>43)	0.1	Filter Matched for GaAs IREDs (950nm)
	BPW82	790...1050	65	45 (>43)	0.1	Filter Matched for GaAIAs IREDs (870nm + 950nm)
	TESP5700	790...980	60	16 (>25)	0.01	Filter Matched for GaAIAs IREDs (870nm + 950nm)

Photo Detectors

Vishay



DESCRIPTION	PART NUMBER	FILTER BANDWIDTH [nm]	ANGLE $\pm \phi$ [°]	SENSITIVITY I_{ra} [μA]	SPEED t_r / t_f [μs]	REMARKS
Side View w Lens Package Photo PIN Diodes 	BPV22NFL	790...1050	60	85 (>55)	0.1	Filter Matched for GaAlAs IREDs (870nm + 950nm)
	BPV23FL	870...1050	60	63 (>45)	0.07	Filter Matched for GaAs IREDs (950nm)
	BPV23NFL	790...1050	60	65 (>45)	0.07	Filter Matched for GaAlAs IREDs (870nm + 950nm)
Side View w/o Lens Package Photo PIN Diodes 	BPV20F	870...1050	65	60 (>40)	0.1	Filter Matched for GaAs IREDs (950nm)
	BPV21F	870...1050	65	38 (>27)	0.07	Filter Matched for GaAs IREDs (950nm)
Side View w/o Lens Package Photo PIN Diodes 	BPV21FL	870...1050	65	38 (>27)	0.07	Filter Matched for GaAs IREDs (950nm)
FP 5 mm x 4 mm Package Photo PIN Diodes 	TEMD5000	No Filter	65	55 (>40)	0.1	SMD Plastic Package
	TEMD5100	790...1050	65	55 (>40)	0.1	Filter Matched for GaAlAs IREDs (870nm + 950nm)
1.8 mm T 3/4 Package Photo PIN Diodes 	TEMD1000	840...1050	15	12 (>5)	0.004	SMD with Dome Lens
1.8 mm T 3/4 Package Photo PIN Diodes 	TEMD1020	840...1050	15	12 (>5)	0.004	SMD with Dome Lens
1.8 mm T 3/4 Package Photo PIN Diodes 	TEMD1030	840...1050	15	12 (>5)	0.004	SMD with Dome Lens

DESCRIPTION	PART NUMBER	FILTER BANDWIDTH [nm]	ANGLE $\pm \phi$ [°]	SENSITIVITY I_{ra} [μA]		REMARKS
1.8 mm T 3/4 Package Photo PIN Diodes 	TEMD1040	840...1050	15	12 (>5)	0.004	SMD with Dome Lens
Top View 3 x 3 mm Package Photo PIN Diodes 	BP104	870...1050	65	45 (>40)	0.1	Filter Matched for GaAs IREDs (950nm)
	BPW34	No Filter	65	50 (>40)	0.1	for visible or IR radiation
TO18 Package Photo PIN Diodes 	BPW24R	No Filter	12	60 (>45)	0.007	Hermetically Sealed
Side View w Lens Package Photo Schmitt Triggers 	TEKS5400	825...950	30	50 (<85)		Matched for GaAs IREDs (950nm)
	TEKS6400	825...950	30	50 (<100)		Matched for GaAs IREDs (950nm)
TO 5 Package Photo PN Diodes 	BPW20RF	No Filter	50	60 (>20)	0.0035	Hermetically Sealed
	BPW21R	420...675	50	9 (>4.5)	0.0035	Hermetically Sealed light/color Measurement