



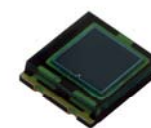
Fast Facts



Product Group: Vishay Optoelectronics / March 2010



BPW21R



TEMD5510FX01



Updated Ambient Light Sensor Product Overview

Good news! The Ambient Light Sensor product overview has been updated with two new sensors; TEMD5510FX01 and BPW21R. The TEMD5510FX01 is a photodiode based, surface mount ambient light sensor that is qualified for automotive applications according to AEC-Q101 standards. It incorporates Vishay's exclusive infrared filtering epoxy which further improves the sensors performance. The BPW21R is also photodiode based but is packaged in a leaded, TO5 'can' that is hermetically sealed. It is designed to directly take on the severest outdoor environments. View the product overview at: <http://www.vishay.com/docs/49670/pl0366.pdf>

	Part Number	Mounting	Size (mm)	Peak Wavelength (nm)	Bandwidth (nm)	Angle of Half Sensitivity (+/-*)	Light Current Standard A (uA)	Light Current Fluorescent (uA)
Photodiode	TEMD6010FX01	SMD	2.0 x 4.0 x 1.0	540	430 - 610	60	0.04	0.03
	TEMD5510FX01	SMD	4.2 x 5.0 x 1.1	540	430 - 610	65	1	0.7
	TEMD6200FX01	SMD	1.2 x 2.0 x 0.85	540	430 - 610	60	0.04	0.03
	BPW21R	Leaded	TO5 - 8 mm	565	420 - 675	50	0.9	1.03
Phototransistor	TEMT6200FX01	SMD	1.2 x 2.0 x 0.85	550	450 - 610	60	12	7
	TEMT6000X01	SMD	2.0 x 4.0 x 1.0	570	430 - 800	60	50	21
	TEPT5700	Leaded	5 mm, flat top	570	430 - 800	50	75	31
	TEPT5600	Leaded	5 mm	570	430 - 800	20	350	145
	TEPT4400	Leaded	3 mm	570	430 - 800	30	200	83