

Harvatek 4.3x3.3x3.6mm Lead Frame Type SMD LED HVD-L433336IRWCH-TR1

Official Product	HVD-L433336IRWCH-TR1	Customer Part No.		Data Sheet No.
	********	*******		HVD-L433336IRWCH-TR1
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		Nov. 11 2019	Version of 1.0	Page 1/10



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- 2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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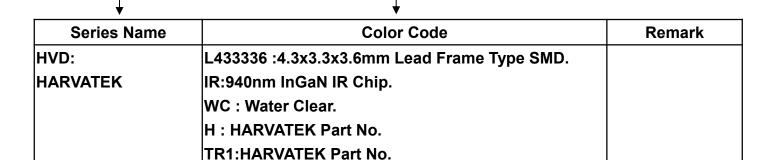
Compliance and Certification

ISO9002, QS9000 and ISO14001 Certified RoHS Compliant



Orderable Information

HVD - L 43 33 3 6 I R W C H -TR1



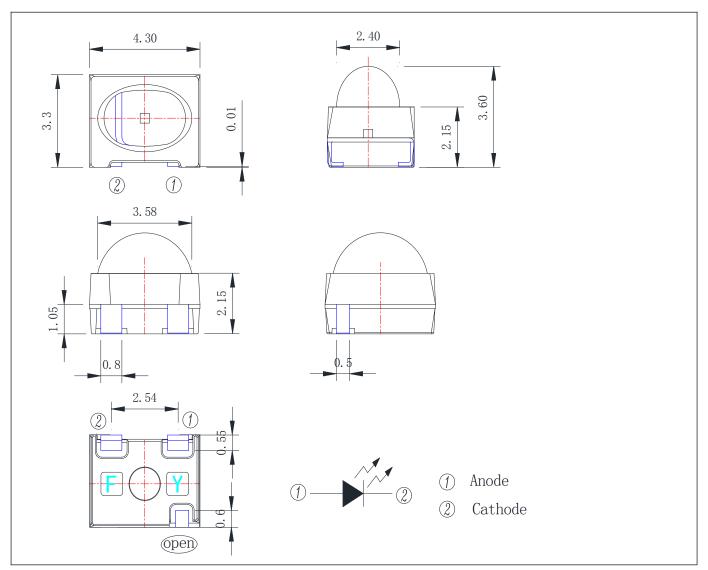
Features:

- Stable Color
- Popular 4.3x3.3x3.6mm SMD Type package.
- Water Clear Lens.

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Package Dimensions:



Notes:

- 1.All dimensions are millimeters.
- 2. Tolerance is +/-0.25mm unless otherwise noted.
- 3. Specifications are subject to change without notice.

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Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	Rating	Unit
Forward Current	$ m I_F$	100	mA
Operating Temperature	Topr	-25to+85	$^{\circ}$
Storage Temperature	Tstg	-25to+85	$^{\circ}$
Soldering Temperature*1	Tsol	260	$^{\circ}$
Power Dissipation	Pd	150	mW
Reverse Voltage	V_R	5	V
Peak Forward Current*2	$ m I_{FP}$	0.5	A

^{*1:} Soldering time \leq 5 seconds. *2: Pulse Width \leq 100 μ s and Duty \leq 1%.

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Electrical and Optical Characteristic

Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V_{F}	I _F =20 mA	/	1.3	1.6	V
Reverse Current	I_R	$V_R = 5 V$	/	/	10	μΑ
D - 1: 1 1 1	T-	I _F =20mA	/	17	/	
Radiant Intensity	Ie	I _F =100mA	/	75	/	mW/sr
Viewing Angle	$2\theta_{1/2}$ X	I _F =20 mA	/	70	/	deg
Viewing Angle	Y	1 _F =20 IIIA	/	16	/	ucg
Peak Wavelength	λρ	I _F =20 mA	930	940	/	nm
Spectrum Radiation Bandwidth	Δλ	I _F =20 mA	/	45	/	nm

Notes: θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Specifications for Bin Grading:

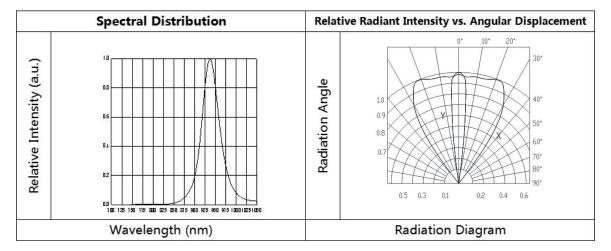
le (mW/sr)				
Grade	Min.	Max.		
N-5	14. 4	25. 2		
P-6	16.8	28.8		
Q-7	19. 2	32. 4		
R-8	21.6	36. 0		

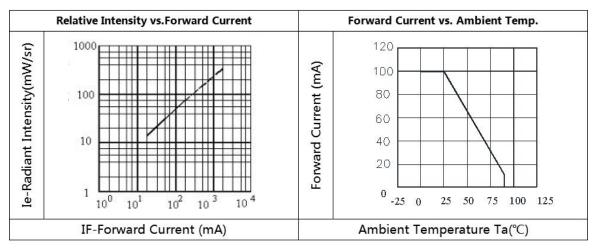
Notes:Radiant Intensity:+/-15%.

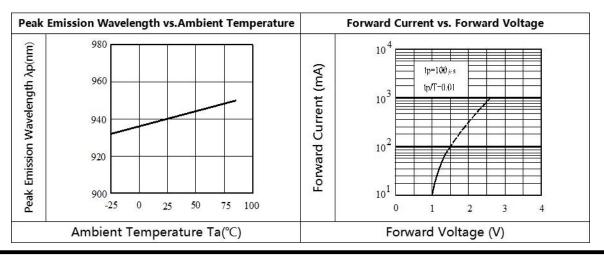
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Typical Electro-Optical Characteristics Curves



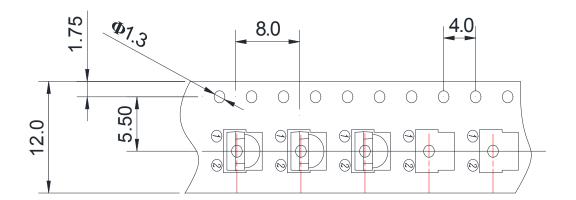




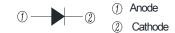
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Taping Dimension



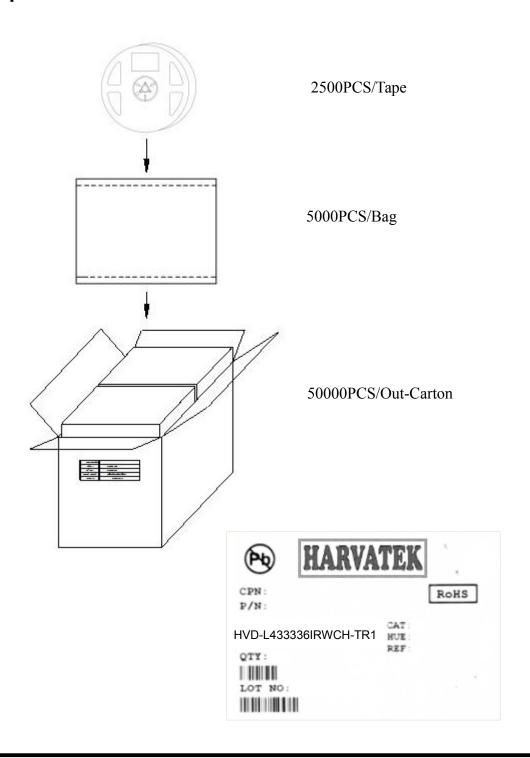




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Packing Specification:



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Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	11-11-2019

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