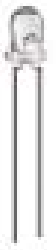
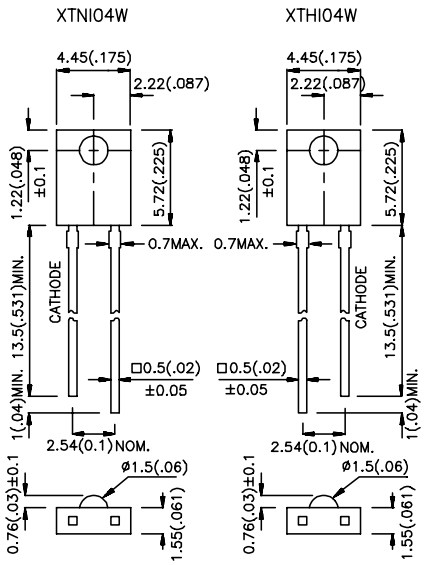
■ Infrared Emitting Diodes

Shape	Part No.	Material (Emitted Color)	Lens	Peak Wave Length (nm)	Electrical/Optical Data				Viewing Angle 2θ1/2	Figure No.
					Vf (V) If=20mA		Po (mW/sr) If=20mA *50mA			
					Typ.	Max.	Min.	Typ.		
1.5mm	XTNI04W	GaAs	Water Clear	940	1.2	1.6	1.2	2.8	70º	1
	XTHI04W	GaAlAs	Water Clear	880	1.3	1.6	1.0	1.9	70º	
3mm Round 	XTNI30W	GaAs	Water Clear	940	1.2	1.6	2	8	50º	2
							*5	*19	50º	
	XTNI30BF	GaAs	Blue Transparent	940	1.2	1.6	2	4	50º	
							*8	*19	50º	
	XTHI30W	GaAlAs	Water Clear	880	1.3	1.6	2	9	50º	
							*5	*18	50º	
	XTHI30BF	GaAlAs	Blue Transparent	880	1.3	1.6	2	3.5	50º	
							*8	*18	50º	
	XTHI30W860	GaAlAs	Water Clear	860	1.35	1.6	7	14	50º	
							*10	*35	50º	
	XTHI30BF860	GaAlAs	Blue Transparent	860	1.35	1.6	7	14	50º	
							*10	*35	50º	
	XTHI30W850	GaAlAs	Water Clear	850	1.4	1.6	7	15	50º	
							*10	*43	50º	
	XTHI30BF850	GaAlAs	Blue Transparent	850	1.4	1.6	7	15	50º	
							*10	*43	50º	
5mm Round	XTNI53W	GaAs	Water Clear	940	1.2	1.6	8	19	30º	3
							*12	*27	30º	
	XTNI53BF	GaAs	Blue Transparent	940	1.2	1.6	5	19	30º	
							*8	*27	30º	
	XTHI53W	GaAlAs	Water Clear	880	1.3	1.6	8	19	30º	
							*12	*27	30º	
	XTHI53BF	GaAlAs	Blue Transparent	880	1.3	1.6	5	19	30º	
							*8	*27	30º	
	XTHI53W860	GaAlAs	Water Clear	860	1.35	1.6	10	39	30º	
							*50	*97	30º	
	XTHI53BF860	GaAlAs	Blue Transparent	860	1.35	1.6	10	39	30º	
							*50	*97	30º	
	XTHI53W850	GaAlAs	Water Clear	850	1.4	1.6	10	39	30º	
							*50	*97	30º	
	XTHI53BF850	GaAlAs	Blue Transparent	850	1.4	1.6	10	39	30º	
							*50	*97	30º	

1



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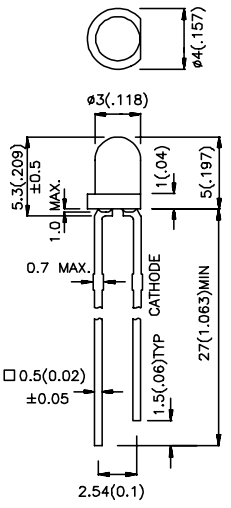
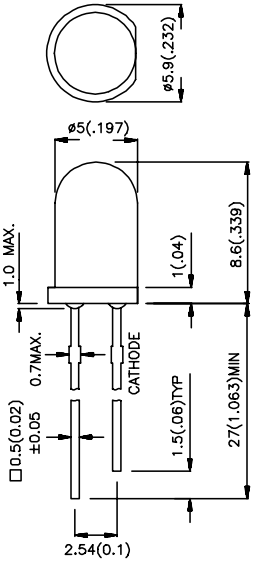


3



Dimension Unit : mm(inches), Tolerance : ±0.25mm (0.01")
We reserve the right to make changes at any time to enhance the design and / or performance of the product.