




Infrared Emitting Diodes



Shape	Part No.	Material (Emitted Color)	Lens	Peak Wave Length (nm)	Electrical/Optical Data				Viewing Angle 2 θ 1/2	Figure No.
					Vf (V) If=20mA		Po (mW/sr) If=20mA *50mA			
					Typ.	Max.	Min.	Typ.		
 1.5mm	TNI04W	GaAs	Water Clear	940	1.2	1.6	1.2	2.8	70°	1
	THI04W	GaAlAs	Water Clear	880	1.3	1.6	1.0	1.9	70°	
 3mm Round	TNI30W	GaAs	Water Clear	940	1.2	1.6	2 *5	8 *19	50° 50°	2
	TNI30BF	GaAs	Blue Transparent	940	1.2	1.6	2 *8	4 *19	50° 50°	
	THI30W	GaAlAs	Water Clear	880	1.3	1.6	2 *5	9 *18	50° 50°	
	THI30BF	GaAlAs	Blue Transparent	880	1.3	1.6	2 *8	3.5 *18	50° 50°	
	THI30W860	GaAlAs	Water Clear	860	1.35	1.6	7 *10	14 *35	50° 50°	
	THI30BF860	GaAlAs	Blue Transparent	860	1.35	1.6	7 *10	14 *35	50° 50°	
	THI30W850	GaAlAs	Water Clear	850	1.4	1.6	7 *10	15 *43	50° 50°	
	THI30BF850	GaAlAs	Blue Transparent	850	1.4	1.6	7 *10	15 *43	50° 50°	
	 5mm Round	TNI53W	GaAs	Water Clear	940	1.2	1.6	8 *12	19 *27	
TNI53BF		GaAs	Blue Transparent	940	1.2	1.6	5 *8	19 *27	30° 30°	
THI53W		GaAlAs	Water Clear	880	1.3	1.6	8 *12	19 *27	30° 30°	
THI53BF		GaAlAs	Blue Transparent	880	1.3	1.6	5 *8	19 *27	30° 30°	
THI53W860		GaAlAs	Water Clear	860	1.35	1.6	10 *50	39 *97	30° 30°	
THI53BF860		GaAlAs	Blue Transparent	860	1.35	1.6	10 *50	39 *97	30° 30°	
THI53W850		GaAlAs	Water Clear	850	1.4	1.6	10 *50	39 *97	30° 30°	
THI53BF850		GaAlAs	Blue Transparent	850	1.4	1.6	10 *50	39 *97	30° 30°	

