

<i>Product</i>		<i>Dimensions (mm)</i>	<i>Package</i>	<i>Page</i>
HT-110 Series		3.2 X 10.5 X 1.0	Side View	SL-1
HT-121 Series		1.6 X 1.0 X 0.6	Side View	
HT-12H Series		1.8 X 1.0 X 0.3	Side View	
HT-150 Series		3.2 X 1.6 X 1.1	Top View/Reverse Mountable	
HT-155USD/UYG		3.2 X 2.7 X 1.1	Top View	
HT-159 Series		3.2 X 1.6 X 1.85	Top View	
HT-170 Series		2.0 X 1.3 X 0.8	Top View	SL-2
HT-182TW5		1.0 X 0.5 X 0.25	Top View	
HT-191 Series		1.6 X 0.8 X 0.6	Top View	
HT-193 Series		1.6 X 0.8 X 0.4	Top View	
HT-19Y1TX		1.6 X 0.8 X 0.2	Top View	
HT-210 Series		3.2 X 1.5 X 1.0	Side View	
HT-260 Series		3.2 X 1.2 X 1.1	Top View/Reverse Mountable	SL-3
HT-264UY/UYG		1.6 X 1.5 X 0.7	Top View	
HT-280 Series		1.0 X 0.5 X 0.4	Top View	
HT-297 Series		1.6 X 0.8 X 0.5	Top View	
HT-311FCH		3.2 X 1.5 X 1.0	Side View	
HT-380FCH		1.6 X 1.6 X 0.4	Top View	

<i>Product</i>		<i>Dimensions (mm)</i>	<i>Package</i>	<i>Page</i>
HT-1861TX-05		1.0 X 0.32 X 0.53	Side View	SL-4
HT-B259 Series		3.2 X 1.6 X 2.55	Side View	
HT-B3053FCH		1.0 X 1.0 X 0.5	Top View	
HT-B3213FCH5		2.7 X 1.35 X 0.8	Side View	
HT-D1711BP		2.0 X 1.6 X 0.8	Top View	
HT-E17C1BP		2.0 X 1.6 X 0.65	Top View	
HT-F196 Series		1.6 X 0.8 X 0.35	Top View	SL-5
HT-F199TW5		1.6 X 0.8 X 0.3	Top View	

<i>Product</i>		<i>Dimensions (mm)</i>	<i>Package</i>	<i>Page</i>
HT-F104TW		3.8 X 1.0 X 0.4	Side View	SL-6
HT-F107TW		3.8 X 1.05 X 0.6	Side View	
HT-T138TW		3.0 X 2.1 X 0.8	Top View	
HT-T1404DNC		4.0 X 1.4 X 0.7	Top View	
HT-T5301TW		5.7 X 3.0 X 0.9	Top View	
HT-T7201DNC		7.0 X 2.0 X 0.8	Top View	
HT-T7222BP		7.0 X 2.0 X 0.8	Top View	
HT-T158 Series		3.0 X 2.0 X 1.3	Top View	SL-7
HT-T169 Series		3.5 X 2.8 X 1.8	Top View	
HT-T136 Series		3.0 X 1.4 X 0.8	Top View	
HT-T157 Series		3.0 X 2.1 X 0.8	Top View	
HT-T530 Series		5.7 X 3.0 X 0.9	Top View	
HT-T530 Series		5.7 X 3.0 X 0.9	Top View	SL-8
HT-T5335 Series		5.7 X 3.0 X 0.9	Top View	
HT-T3212 Series		3.0 X 3.0 X 0.52	Top View	
HT-PT30A02 Series		3.0 X 1.4 X 0.8	Top View	SL-9
HT-T5301DNC		5.7 X 3.0 X 0.9	Top View	
HT-PC56H01 Series		5.7 X 3.0 X 0.9	Top View	

### ■ HT-110 Series

3.2 x 1.5 x 1.0 (mm)

Side View LED



Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-110UYG	Yellow Green	20	2.0	2.4	573	574	20	71.5	140
HT-110UY	Yellow	20	1.9	2.4	589	593	15	112.5	140
HT-110UD	Amber	20	1.9	2.4	605	609	17	112.5	140
HT-110USD	Red	20	1.9	2.4	622	636	17	112.5	140
HT-110NB	Blue	20	3.3	3.9	470	468	40	112.5	140
HT-110NG	Green	20	3.3	3.9	527	520	40	285	140
HT-110TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	270	140

### ■ HT-121 Series

1.6 x 1.0 x 0.6 (mm)

Side View LED



Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-121UYG	Yellow Green	20	2.0	2.4	573	574	20	112.5	120
HT-121UY	Yellow	20	1.9	2.4	589	593	15	112.5	120
HT-121UD	Amber	20	1.9	2.4	605	609	17	112.5	120
HT-121USD	Red	20	1.9	2.4	622	636	17	112.5	120
HT-121NB	Blue	20	3.3	3.9	470	468	40	112.5	120
HT-121NG	Green	20	3.3	3.9	527	520	40	180	120
HT-121TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	350	120

### ■ HT-12H Series

1.8 x 1.0 x 0.3 (mm)

Side View LED

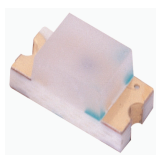


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-12HNB5	Blue	5	2.8	3.15	468	468	40	22	120
HT-12HNG5	Green	5	2.8	3.15	520	520	40	112.5	120
HT-12HTW5	White	5	2.8	3.15	X:0.290, Y:0.285		-	90	120

### ■ HT-150 Series

3.2 x 1.6 x 1.1 (mm)

Top View LED

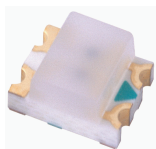


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-150UYG	Yellow Green	20	2.0	2.4	573	574	20	71.5	140
HT-150UY	Yellow	20	1.9	2.4	591	593	15	112.5	140
HT-150UD	Amber	20	1.9	2.4	605	609	17	112.5	140
HT-150USD	Red	20	1.9	2.4	622	636	17	112.5	140
HT-150NB	Blue	20	3.3	3.9	470	468	40	112.5	140
HT-150NG	True Green	20	3.3	3.9	527	520	40	285	140
HT-150TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	300	140

### ■ HT-155USD/UYG

3.2 x 2.7 x 1.1 (mm)

Top View LED

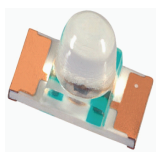


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-155USD/UYG	Red	20	1.9	2.4	622	636	17	120	140
	Yellow Green	20	2.0	2.4	573	574	20	90	140

### ■ HT-159 Series

3.2 x 1.6 x 1.85 (mm)

Top View/Reverse Mountable LED



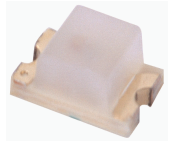
Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-159UYG	Yellow Green	20	2.0	2.4	573	574	20	715	20
HT-159UY	Yellow	20	1.9	2.4	591	593	15	900	20
HT-159UD	Amber	20	1.9	2.4	605	609	17	700	20
HT-159USD	Red	20	1.9	2.4	622	636	17	1125	20
HT-159NB	Blue	20	3.3	3.9	470	468	40	715	20
HT-159NG	Green	20	3.3	3.9	527	520	40	2850	20
HT-159TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	900	20

## ■ HT-170 Series

2.0 x 1.3 x 0.8 (mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-170UYG	Yellow Green	20	2.0	2.4	573	574	20	71.5	140
HT-170UY	Yellow	20	1.9	2.4	591	593	15	112.5	140
HT-170UD	Amber	20	1.9	2.4	605	609	17	112.5	140
HT-170USD	Red	20	1.9	2.4	622	636	17	112.5	140
HT-170NB	Blue	20	3.3	3.9	470	468	40	112.5	140
HT-170NG	Green	20	3.3	3.9	527	520	40	285	140
HT-170TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	400	140

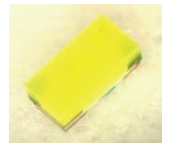


## ■ HT-182TW5

1.0 x 0.5 x 0.25 (mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-182TW5	White	5	2.8	3.2	X:0.290, Y:0.285		-	120	100

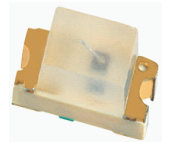


## ■ HT-191 Series

1.6 x 0.8 x 0.6 (mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-191UYG	Yellow Green	20	2.0	2.4	573	574	20	71.5	130
HT-191UY	Yellow	20	1.9	2.4	591	593	15	112.5	130
HT-191UD	Amber	20	1.9	2.4	605	609	17	112.5	130
HT-191USD	Red	20	1.9	2.4	622	636	17	112.5	130
HT-191URO	Deep Red	20	1.9	2.4	632	645	22	112.5	130
HT-191NB	Blue	20	3.3	3.9	470	468	40	71.5	130
HT-191NG	Green	20	3.3	3.9	527	520	40	285	130
HT-191TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	800	130

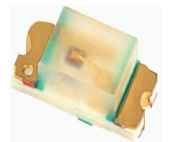


## ■ HT-193 Series

1.6 x 0.8 x 0.4 (mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-193UYG	Yellow Green	20	2.0	2.4	573	574	20	90	130
HT-193UY	Yellow	20	1.9	2.4	589	593	15	112.5	130
HT-193UD	Amber	20	1.9	2.4	605	609	17	112.5	130
HT-193USD	Red	20	1.9	2.4	622	636	17	140	130
HT-193URO	Deep Red	20	1.9	2.4	632	645	22	71.5	130
HT-193NB	Blue	20	3.3	3.9	470	468	40	90	130
HT-193NG	Green	20	3.3	3.9	527	520	40	140	130
HT-193TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	540	130

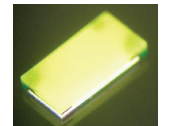


## ■ HT-19Y1TX

1.6 x 0.8 x 0.2 (mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-19Y1TX	White	5	2.9	3.4	X:0.30, Y:0.296		-	332	110

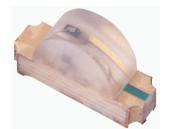


## ■ HT-210 Series Bi-Color

3.2 x 1.5 x 1.0 (mm)

Side View LED

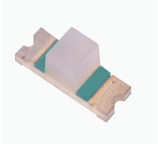
Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-210USD/UYG	Red	20	1.9	2.4	622	636	17	180	140
	Yellow Green		2.0	2.4	573	574	20	71.5	
HT-210USD/NB	Red	20	1.9	2.4	622	636	17	180	140
	Blue		3.3	3.9	470	468	40	112.5	



### ■ HT-260 Series

3.2 x 1.2 x 1.1 (mm)

Top View/Reverse Mountable LED

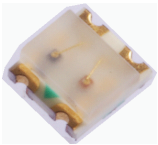


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-260UYG	Yellow Green	20	2.0	2.4	573	574	20	71.5	140
HT-260UY	Yellow	20	1.9	2.4	591	593	15	71.5	140
HT-260UD	Amber	20	1.9	2.4	605	609	17	112.5	140
HT-260USD	Red	20	1.9	2.4	622	636	17	71.5	140
HT-260NB	Blue	20	3.3	3.9	470	468	40	71.5	140
HT-260NG	Green	20	3.3	3.9	527	520	40	226	140
HT-260TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	200	140

### ■ HT-264UY/YUG Bi-Color

1.6 x 1.5 x 0.7 (mm)

Top View LED



Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-264UY/YUG	Yellow	20	1.9	2.4	591	593	15	71.5	140
	Yellow Green		2.0	2.4	573	574	20	45	140

### ■ HT-280 Series

1.0 x 0.5 x 0.4 (mm)

Top View LED

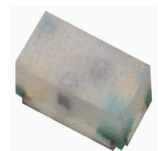


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-280UYG	Yellow Green	20	2.0	2.4	573	574	20	71.5	140
HT-280UY	Yellow	20	1.9	2.4	591	593	15	112.5	140
HT-280UD	Amber	20	1.9	2.4	605	609	17	112.5	140
HT-280USD	Red	20	1.9	2.4	622	636	17	112.5	140
HT-280NB	Blue	20	3.3	3.9	470	468	40	71.5	71.5
HT-280NG	Green	20	3.3	3.9	527	520	40	285	140
HT-280TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	250	140

### ■ HT-297 Series Bi-Color

1.6 x 0.8 x 0.5 (mm)

Top View LED

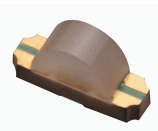


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-297USD/YUG	Red	20	1.9	2.4	622	636	17	112.5	130
	Yellow Green		2.0	2.4	573	574	20	71.5	
HT-297USD5/NB5	Red	5	1.9	2.4	622	636	17	28.5	130
	Blue		3.3	3.9	470	468	40	18	
HT-297USD/NG	Red	5	1.9	2.4	622	636	17	112.5	130
	Green		3.3	3.9	527	520	40	71.5	

### ■ HT-311FCH Full-Color

3.2 x 1.5 x 1.0 (mm)

Side View LED

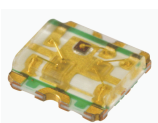


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-311FCH	Red	20	1.9	2.4	622	636	17	100	140
	Green		3.3	3.9	527	520	40	250	
	Blue		3.3	3.9	470	468	40	60	

### ■ HT-380FCH Full-Color

1.6 x 1.6 x 0.4 (mm)

Top View LED



Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-380FCH	Red	20	1.9	2.4	622	636	17	150	140
	Green		3.3	3.9	527	520	40	250	
	Blue		3.3	3.9	470	468	40	60	

## ■ HT-1861TX-05

1.0 x 0.32 x 0.53(mm)

Side View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-1861TX-05	White	5	2.9	3.25	X:0.290, Y:0.285			120	140



## ■ HT-B259 Series Mono &amp; Bi-Color

3.2 x 1.6 x 2.55(mm)

Side View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-B2591NG	Green	20	3.3	3.9	527	520	40	450	120
HT-B2592USD/NG	Red	20	1.9	2.4	622	636	17	360	120
	Green		3.3	3.9	527	520	40	450	200

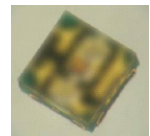


## ■ HT-B3053FCH Full-Color

1.0 x 1.0 x 0.5(mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-B3053FCH	Red	20	2.0	2.4	624	630	17	100	120
	Green		3.2	3.8	525	520	40	350	
	Blue		3.2	3.8	470	468	26	100	

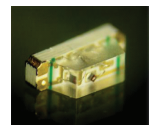


## ■ HT-B3213FCH5 Full-Color

2.7 x 1.35 x 0.8(mm)

Side View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-B3213FCH5	Red	5	1.9	2.4	620	628	14	42	120
	Green		2.9	3.2	532	522	30	175	
	Blue		2.9	3.2	470	466	18	42	



## ■ HT-D1711BP

2.0 x 1.6 x 0.8(mm)

Top View LED

Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-D1711BP	White	500	3.3	3.7	X:0.290, Y:0.285			120	120

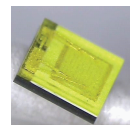


## ■ HT-E17C1BP

2.0 x 1.6 x 0.65(mm)

Top View LED

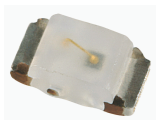
Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ		
HT-E17C1BP	White	500	3.3	3.75	X:0.290, Y:0.285			100	140
		1000	3.3	3.75	X:0.290, Y:0.285			220	140



### ■ HT-F196 Series

1.6 x 0.8 x 0.35 (mm)

Top View LED

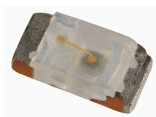


Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ	typ	2θ <sub>1/2</sub>
HT-F196UYG	Yellow Green	20	2.0	2.4	573	574	20	112.5	140
HT-F196UY	Yellow	20	1.9	2.4	589	593	15	112.5	140
HT-F196UD	Amber	20	1.9	2.4	605	609	17	112.5	140
HT-F196USD	Red	20	1.9	2.4	622	636	17	112.5	140
HT-F196NB	Blue	5	3.3	3.9	470	468	40	180	140
HT-F196NG	Green	5	3.3	3.9	527	520	40	720	140
HT-F196TW	White	20	3.3	3.9	X:0.290, Y:0.285		-	1075	140

### ■ HT-F199TW5

1.6 x 0.8 x 0.3(mm)

Top View LED



Product	Emission Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ (nm)			I <sub>V</sub> (mcd)	Viewing Angle
			typ	max	λ <sub>D</sub>	λ <sub>P</sub>	Δλ	typ	2θ <sub>1/2</sub>
HT-F199TW5	White	5	2.8	3.2	X:0.290, Y:0.285		-	180	140



## ◆ 0.06W

## ■ HT-F104TW 3.8 x 1.0 x 0.4 (mm) Side View LED

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-F104TW	White	0.06	20	Custom	6.3	120



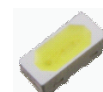
## ■ HT-F107TW 3.8 x 1.05 x 0.6 (mm) Side View LED

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-F107TW	White	0.06	20	Custom	8.1	110



## ■ HT-T138TW 3.0 x 2.1 x 0.8 (mm) Top View LED

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T138TW	White	0.06	20	Custom	8.0	110



## ◆ 0.1W

## ■ HT-T1401DNC 4.0 x 1.4 x 0.7 (mm) Top View LED

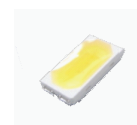
Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T1401DNC	White	0.1	60	Custom	21.5	90



## ◆ 0.4W

## ■ HT-T5301TW 5.7 x 3.0 x 0.9 (mm) Top View LED

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T5301TW	White	0.4	120	Custom	43.0	120



## ■ HT-T7201BP 7.0 x 2.0 x 0.8 (mm) Top View LED

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T7201BP	White	0.4	120	Custom	35.0	110



## ◆ 1.0W

## ■ HT-T7222BP 7.0 x 2.0 x 0.8 (mm) Top View LED

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T7222BP	White	1	150 (2 chips)	Custom	84.0	110



### ◆ 0.06W

Top View LED

#### ■ HT-T158 Series 3.0 x 2.0 x 1.3 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T158DNC	White	0.06	20	3000k	70	8	110
				4000k			
				6000k			
HT-T158DND	White	0.06	20	3000k	80	8	110
				4000k			
				6000k			

#### ■ HT-T169 Series 3.5 x 2.8 x 1.8 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T169DNC	White	0.06	20	3000k	70	8.5	120
				4000k			
				6000k			
HT-T169DND	White	0.06	20	3000k	80	8.5	120
				4000k			
				6000k			

### ◆ 0.1W

Top View LED

#### ■ HT-T136 Series 3.0 x 1.4 x 0.8 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T136DNC	White	0.1	30	3000k	70	12.5	110
				4000k			
				6000k			
HT-T136DND	White	0.1	30	3000k	80	12.5	110
				4000k			
				6000k			

### ◆ 0.2W

Top View LED

#### ■ HT-T157 Series 3.0 x 2.1 x 0.8 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T157DNC	White	0.2	60	3000k	70	24	110
				4000k			
				6000k			
HT-T157DND	White	0.2	60	3000k	80	24	110
				4000k			
				6000k			

### ◆ 0.5W

Top View LED

#### ■ HT-T530 Series 5.7 x 3.0 x 0.9 (mm)

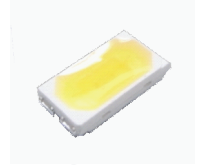
Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T5301DNC-60	White	0.5	60	3000k	70	20	120
				4000k			
				6000k			
HT-T5301DND-60	White	0.5	60	3000k	80	20	120
				4000k			
				6000k			

### ◆ 0.5W

Top View LED

#### ■ HT-T530 Series 5.7 x 3.0 x 0.9 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T5301DNC-A2	White	0.5	150	3000k	70	55	120
				4000k			
				6000k			
HT-T5301DND-A2	White	0.5	150	3000k	80	55	120
				4000k			
				6000k			



#### ■ HT-T5335 Series 5.7 x 3.0 x 0.9 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T5335DND	White	0.5	30 (5 chips)	3000k	80	55	120
				4000k			
				6000k			

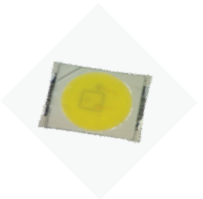


### ◆ 1W

Top View LED

#### ■ HT-T3212 Series 3.0 x 3.0 x 0.52 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T3212DND	White	1.5	150 (2 chips)	3000k	80	100	110
				4000k			
				6000k			



### ◆ 0.1W

Top View LED

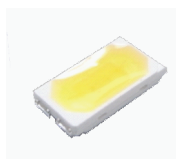


#### ■ HT- PT30A02 Series 3.0 x 1.4 x 0.8 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-PT30A02	White	0.1	30	3000k	80	8	120
				4000k			
				6000k			

### ◆ 0.5W

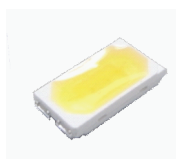
Top View LED



#### ■ HT- T5301DND Series 5.7 x 3.0 x 0.9 (mm)

Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-T5301DNC	White	0.5	120	3000k	80	42	120
				4000k			
				6000k			

#### ■ HT- PC56H01 Series 5.7 x 3.0 x 0.9 (mm)



Product	Emission Color	Power (W)	I <sub>F</sub> (mA)	CCT (K)	CRI	L <sub>F</sub> (lm)	Viewing Angle 2θ <sub>1/2</sub>
HT-PC56H01	White	0.5	120	3000k	80	52	120
				4000k			
				6000k			