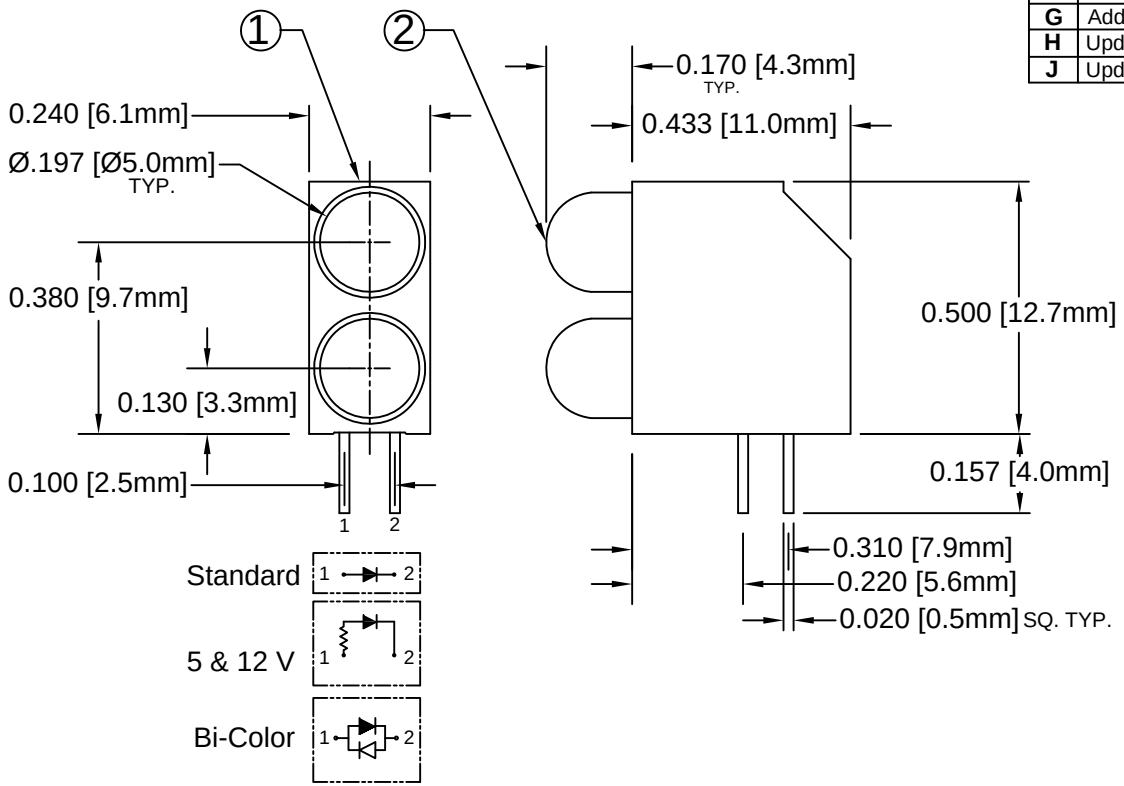
ITEM	Q'TY	PART NUMBER	PART DESCRIPTION
1	1	H-278C-2	T-1¾ (5mm) Bi-Level LED Holder, 90° Mount
2	2	5XX	T-1¾ (5mm) Non-Flange LED, See Following Pages

REV.	DESCRIPTION	DATE	APPROVED
C	Corrected Holder from H-278C to H-278C-1.	02/28/05	M. C.
D	Changed Holder from H-278C-1 to H-278C-2.	02/14/07	M. C.
E	Changed LED Protrusion from .180 to .170	02/27/07	M. C.
F	Added P/N Designation Note	03/04/09	T. Y.
G	Added H278CGAD	05/29/12	T. Y.
H	Updated LED Offering List	06/19/12	T. Y.
J	Updated LED Optical Characteristics	09/15/15	J. C.



BI-COLOR POLARITY		
LED P/N	(1) Cathode	(2) Cathode
5BC	Green	Red
5BC-Y/G	Green	Yellow
5BC-R/Y	Yellow	Red
5BC-A/G	Green	Amber

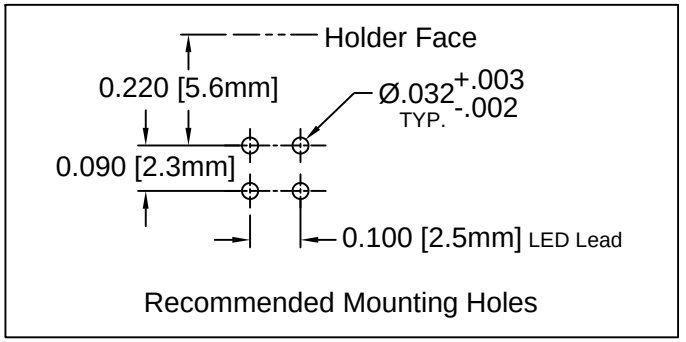
NOTE: P/N CONFIGURATION

H278CYGDL

- H278 Holder Series
- Color of top LED - Use "X" if blank
- Color of bottom LED - Use "X" if blank
- " " Standard LED
- "L" Low Current LED
- "5V" 5V LED
- "12V" 12V LED
- Lens Appearance

-If LEDs are the same, use e.g. H278CGD

All Green LEDs



Recommended Mounting Holes

ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

REVERSE VOLTAGE	5V
REVERSE CURRENT	100uA
OPERATING TEMPERATURE RANGE	-25° C - 85° C
STORAGE TEMPERATURE	-30° C - 100° C
LEAD SOLDERING TEMPERATURE(1/16" FROM BODY)	260° C FOR 5 SECONDS

STANDARD TOLERANCE
(UNLESS OTHERWISE SPECIFIED)

DECIMALS		ANGULAR	
.X	± .1	X°	± 1°
.XX	± .02		
.XXX	± .010		

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TITLE: T-1¾ (5MM) 90° BI-LEVEL LED ASSY

DESIGNED:	DATE:	PART NO:	REVISION:
T. Yin	03/05/04	H278CXX	J
CHECKED: D. Green	DATE: 03/05/04	CAGE CODE : 32559	SHEET # 1 OF 4

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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2θ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
H278CBWC	GaN/SiC	430	BLUE	WATER CLEAR	25	4.0	4.5	25	20	5BWC
H278CBWD	GaN/SiC	430	BLUE	DIFFUSED	25	4.0	4.5	15	45	5BWD
H278CBWT	GaN/SiC	430	BLUE	TINTED	25	4.0	4.5	30	20	5BWT
H278CGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	40	35	5GC
H278CGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	25	45	5GD
H278CGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	40	35	5GT
H278CUGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	600	35	5UGC
H278CPGC	GaP/GaP	555	PURE GREEN	WATER CLEAR	30	2.2	2.8	10	35	5PGC
H278CPGD	GaP/GaP	555	PURE GREEN	DIFFUSED	30	2.2	2.8	10	45	5PGD
H278CPGT	GaP/GaP	555	PURE GREEN	TINTED	30	2.2	2.8	10	35	5PGT
H278CYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	40	35	5YC
H278CYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	25	45	5YD
H278CYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	40	35	5YT
H278CAC	GaAsP/GaP	605	AMBER	WATER CLEAR	30	2.0	2.8	40	35	5AC
H278CAD	GaAsP/GaP	605	AMBER	DIFFUSED	30	2.0	2.8	25	45	5AD
H278CAT	GaAsP/GaP	605	AMBER	TINTED	30	2.0	2.8	40	35	5AT
H278CHC	GaAsP/GaP	625	HE RED	WATER CLEAR	30	2.0	2.8	40	35	5HC
H278CHD	GaAsP/GaP	625	HE RED	DIFFUSED	30	2.0	2.8	25	45	5HD
H278CHT	GaAsP/GaP	625	HE RED	TINTED	30	2.0	2.8	40	35	5HT
H278CRC	GaP/GaP	700	RED	WATER CLEAR	20	2.1	2.8	2	35	5RC
H278CRD	GaP/GaP	700	RED	DIFFUSED	20	2.1	2.8	2	45	5RD
H278CRT	GaP/GaP	700	RED	TINTED	20	2.1	2.8	2	35	5RT
H278CBC-A/G	GaAsP/GaP	605	AMBER	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-A/G
	GaP/GaP	568	GREEN		30	2.1	2.8	6		
H278CBC	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC
	GaP/GaP	568	GREEN		30	2.1	2.8	8		
H278CBC-R/Y	GaAsP/GaP	625	RED	WHITE DIFFUSED	30	2.0	2.8	6	45	5BC-R/Y
	GaAsP/GaP	590	YELLOW		30	2.0	2.8	5		
H278CBC-Y/G	GaAsP/GaP	590	YELLOW	WHITE DIFFUSED	30	2.0	2.8	5	45	5BC-Y/G
	GaP/GaP	568	GREEN		30	2.1	2.8	8		

STANDARD TOLERANCE
(UNLESS OTHERWISE SPECIFIED)
±10% ALL VALUES ANGULAR
X° ± 5°

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TITLE: T-1¾ (5MM) 90° BI-LEVEL LED ASSY

DESIGNED:	DATE:	PART NO:	REVISION:
T. Yin	03/05/04	H278CXX	J
CHECKED: D. Green	DATE: 03/05/04	CAGE CODE : 32559	SHEET # 2 OF 4

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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Chip			Lens Appearance	Electro-Optical Data @ 20mA				Viewing Angle 2θ½ (Deg)	LED P/N
	Material	Peak Wave Length	Emitted Color		If (mA)	Vf (V)		Iv (mcd)		
					MAX	TYP	MAX	TYP		
H278CUBWC	InGaN/SiC	468	BLUE	WATER CLEAR	50	3.2	3.6	5000	15	5BWC2.515
H278CSGC	GaP/GaP	568	GREEN	WATER CLEAR	30	2.1	2.8	60	35	5SGC
H278CSGD	GaP/GaP	568	GREEN	DIFFUSED	30	2.1	2.8	50	45	5SGD
H278CSGT	GaP/GaP	568	GREEN	TINTED	30	2.1	2.8	60	35	5SGT
H278CSYC	GaAsP/GaP	590	YELLOW	WATER CLEAR	30	2.0	2.8	600	35	5SYC
H278CSYD	GaAsP/GaP	590	YELLOW	DIFFUSED	30	2.0	2.8	150	45	5SYD
H278CSYT	GaAsP/GaP	590	YELLOW	TINTED	30	2.0	2.8	600	35	5SYT
H278CSRC	GaAlAs/GaAs	645	SUPER RED	WATER CLEAR	30	1.7	2.4	60	35	5SRC
H278CSRD	GaAlAs/GaAs	645	SUPER RED	DIFFUSED	30	1.7	2.4	40	45	5SRD
H278CSRT	GaAlAs/GaAs	645	SUPER RED	TINTED	30	1.7	2.4	60	35	5SRT
H278CUGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	400	35	5UGC
H278CSUGC	AlGaInP	570	GREEN	WATER CLEAR	30	2.1	2.4	300	35	5SUGC
H278CUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	1000	30	5UYC
H278CSUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	700	35	5SUYC
H278CUUYC	AlGaInP	590	YELLOW	WATER CLEAR	30	2.0	2.4	500	35	5UUYC
H278CUOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1400	35	5UOC
H278CUOC	AlGaInP	625	ORANGE	WATER CLEAR	30	1.8	2.4	1300	35	5SUOC
H278CURC	GaAlAs/GaAs	645	RED	WATER CLEAR	30	1.7	2.4	400	30	5URC
H278CSURC	AlGaInP	640	RED	WATER CLEAR	30	1.8	2.4	500	35	5SURC
H278CUWC	InGaN/SiC	6500K	WHITE	WATER CLEAR	100	3.5	4.2	2700	30	5WC2.730

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TITLE: T-1¾ (5MM) 90° BI-LEVEL LED ASSY

DESIGNED:	DATE:	PART NO:	REVISION:
T. Yin	03/05/04	H278CXX	J
CHECKED: D. Green	DATE: 03/05/04	CAGE CODE : 32559	SHEET # 3 OF 4

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REV.	DESCRIPTION	DATE	APPROVED
	SEE SHEET#1.		

LED Assy. No.	Peak Wave Length λp(nm)	Emitted Color	Lens Appearance	Max. Rating	Electro-Optical Data @ 2mA			Viewing Angle 2 Θ ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
H278CBWDL	430	BLUE	DIFFUSED	7	3.8	4.2	4	45	5BWDL
H278CPGDL	555	PURE GREEN	DIFFUSED	7	2.1	2.6	1	45	5PGDL
H278CGDL	568	GREEN	DIFFUSED	7	2.1	2.6	4	45	5GDL
H278CYDL	590	YELLOW	DIFFUSED	7	2.0	2.6	4	45	5YDL
H278CADL	605	AMBER	DIFFUSED	7	2.0	2.6	4	45	5ADL
H278CHDL	625	HE RED	DIFFUSED	7	2.0	2.6	5	45	5HDL
H278CSRDL	645	SUPER RED	DIFFUSED	7	1.7	2.3	6	45	5SRDL

LED Assy. No.	Peak Wave Length λp(nm)	Emitted Color	Lens Appearance	Electro-Optical Data				Viewing Angle 2 θ½ (Deg)	LED P/N
				If (mA)	Vf (V)		Iv (mcd)		
				MAX	TYP	MAX	TYP		
5 Volt				**Data @ 5V**					
H278CBWD5V	BLUE	430	DIFFUSED	-	-	5	15	45	5BWD5V
H278CGC5V	GREEN	568	WATER CLEAR	-	-	5	40	35	5GC5V
H278CGD5V	GREEN	568	DIFFUSED	-	-	5	25	45	5GD5V
H278CGT5V	GREEN	568	TINTED	-	-	5	40	35	5GT5V
H278CAD5V	AMBER	605	DIFFUSED	-	-	5	25	45	5AD5V
H278CHD5V	HE RED	625	DIFFUSED	-	-	5	30	45	5HD5V
H278CRD5V	RED	700	DIFFUSED	-	-	5	1.5	45	5RD5V
H278CYD5V	YELLOW	590	DIFFUSED	-	-	5	25	45	5YD5V
12 Volt				**Data @ 12V**					
H278CGC12V	GREEN	568	WATER CLEAR	-	-	12	40	35	5GC12V
H278CGD12V	GREEN	568	DIFFUSED	-	-	12	25	45	5GD12V
H278CHC12V	HE RED	625	WATER CLEAR	-	-	12	50	35	5HC12V
H278CHD12V	HE RED	625	DIFFUSED	-	-	12	30	45	5HD12V
H278CRC12V	RED	700	WATER CLEAR	-	-	12	2	35	5RC12V
H278CRD12V	RED	700	DIFFUSED	-	-	12	1.5	45	5RD12V
H278CYC12V	YELLOW	590	WATER CLEAR	-	-	12	25	35	5YC12V
H278CYD12V	YELLOW	590	DIFFUSED	-	-	12	20	45	5YD12V

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

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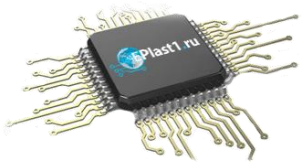
- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.