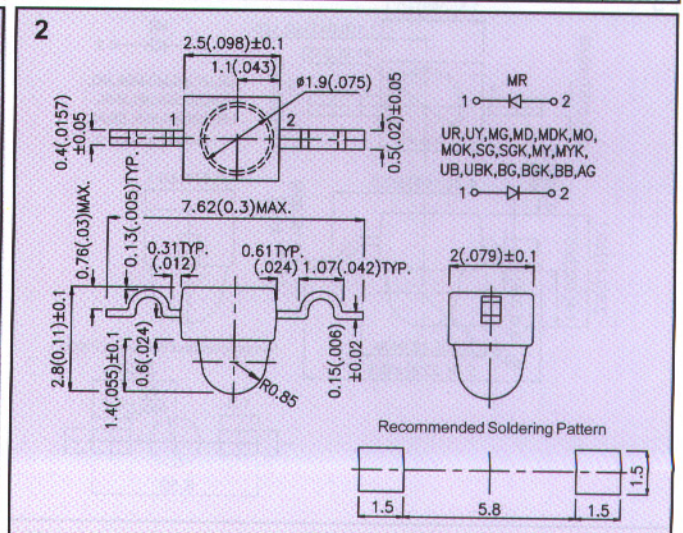
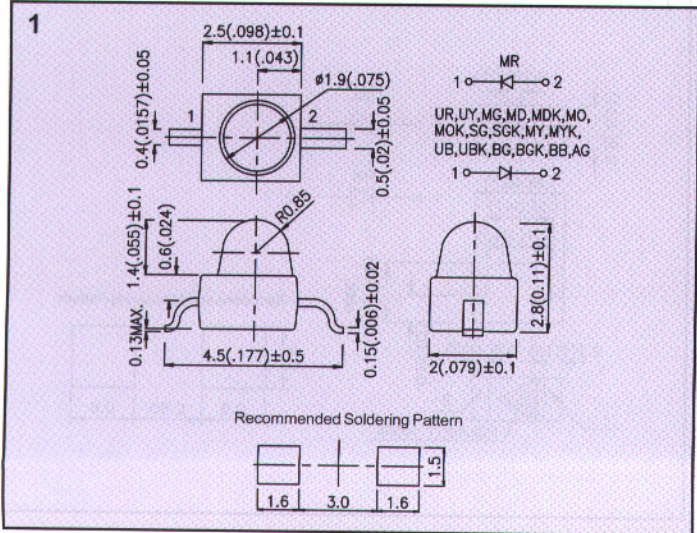


Shape	Part No.	Material (Emitted Color)	Lens	Peak Wave Length (nm)	Electrical/Optical Data				Viewing Angle 201/2	Figure No.
					Vf (V) If=20mA		Iv (mcd) If=20mA			
					Typ.	Max.	Min.	Typ.		
Gull Wing Lead	ZUR46D-3	GaAsP/GaP(Red)	Red Diffused	627	2.0	2.5	7	29	40°	1
	ZUR46W-3	GaAsP/GaP(Red)	Water Clear	627	2.0	2.5	10	65	20°	
	ZMR46D-3	GaAlAs(Red)	Red Diffused	660	1.85	2.5	50	145	40°	
	ZMR46W-3	GaAlAs(Red)	Water Clear	660	1.85	2.5	110	595	20°	
	ZMDK46W-3	InGaAlP(Red)	Water Clear	650	1.95	2.5	180	645	20°	
	ZMD46W-3	InGaAlP(Red)	Water Clear	640	1.9	2.5	280	650	20°	
	ZMOK46W-3	InGaAlP(Orange)	Water Clear	610	2.1	2.5	180	695	20°	
	ZMO46W-3	InGaAlP(Orange)	Water Clear	610	2.0	2.5	480	1295	20°	
	ZMG46D-3	GaP(Green)	Green Diffused	565	2.2	2.5	2.6	9	40°	
	ZMG46W-3	GaP(Green)	Water Clear	565	2.2	2.5	36	95	20°	
	ZSGK46W-3	InGaAlP(Green)	Water Clear	574	2.1	2.5	110	495	20°	
	ZSG46W-3	InGaAlP(Green)	Water Clear	574	2.1	2.5	280	595	20°	
	ZAG46W-3	InGaN(Green)	Water Clear	500	3.6	4.4	380	595	20°	
	ZBGK46W-3	InGaN(Green)	Water Clear	515	4.2	4.8	280	595	20°	
	ZBG46W-3	InGaN(Green)	Water Clear	520	4.0	4.5	280	695	20°	
	ZUY46D-3	GaAsP/GaP(Yellow)	Yellow Diffused	590	2.1	2.5	2.6	9	40°	
	ZUY46W-3	GaAsP/GaP(Yellow)	Water Clear	590	2.1	2.5	10	29	20°	
	ZMYK46W-3	InGaAlP(Yellow)	Water Clear	590	2.0	2.5	70	295	20°	
	ZMY46W-3	InGaAlP(Yellow)	Water Clear	590	2.0	2.5	110	698	20°	
	ZUBK46W-3	GaN(Blue)	Water Clear	430	4.0	4.5	10	29	20°	
	ZUB46W-3	GaN(Blue)	Water Clear	430	3.8	4.5	18	55	20°	
ZBB46W-3	InGaN(Blue)	Water Clear	468	3.65	4.2	110	245	20°		



Yoke Lead	ZUR46D-8	GaAsP/GaP(Red)	Red Diffused	627	2.0	2.5	7	29	40°	2
	ZUR46W-8	GaAsP/GaP(Red)	Water Clear	627	2.0	2.5	10	65	20°	
	ZMR46D-8	GaAlAs(Red)	Red Diffused	660	1.85	2.5	50	145	40°	
	ZMR46W-8	GaAlAs(Red)	Water Clear	660	1.85	2.5	110	595	20°	
	ZMDK46W-8	InGaAlP(Red)	Water Clear	650	1.95	2.5	180	645	20°	
	ZMD46W-8	InGaAlP(Red)	Water Clear	640	1.9	2.5	280	650	20°	
	ZMOK46W-8	InGaAlP(Orange)	Water Clear	610	2.1	2.5	180	695	20°	
	ZMO46W-8	InGaAlP(Orange)	Water Clear	610	2.0	2.5	480	1295	20°	
	ZMG46D-8	GaP(Green)	Green Diffused	565	2.2	2.5	2.6	9	40°	
	ZMG46W-8	GaP(Green)	Water Clear	565	2.2	2.5	36	95	20°	
	ZSGK46W-8	InGaAlP(Green)	Water Clear	574	2.1	2.5	110	495	20°	
	ZSG46W-8	InGaAlP(Green)	Water Clear	574	2.1	2.5	280	595	20°	
	ZAG46W-8	InGaN(Green)	Water Clear	500	3.6	4.4	380	595	20°	
	ZBGK46W-8	InGaN(Green)	Water Clear	515	4.2	4.8	280	595	20°	
	ZBG46W-8	InGaN(Green)	Water Clear	520	4.0	4.5	280	695	20°	
	ZUY46D-8	GaAsP/GaP(Yellow)	Yellow Diffused	590	2.1	2.5	3.6	9	40°	
	ZUY46W-8	GaAsP/GaP(Yellow)	Water Clear	590	2.1	2.5	10	29	20°	
	ZMYK46W-8	InGaAlP(Yellow)	Water Clear	590	2.0	2.5	70	295	20°	
	ZMY46W-8	InGaAlP(Yellow)	Water Clear	590	2.0	2.5	110	698	20°	
	ZUBK46W-8	GaN(Blue)	Water Clear	430	4.0	4.5	10	29	20°	
	ZUB46W-8	GaN(Blue)	Water Clear	430	3.8	4.5	18	55	20°	
ZBB46W-8	InGaN(Blue)	Water Clear	468	3.65	4.2	110	245	20°		



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