

Surface Mount LEDs

Shape	Part Number	Emitting Color	Emitting Material	Lens-Color	Wave Length (nm)	Luminous Intensity IF=20mA(mcd) Min. Max.	Viewing Angle	Figure No.
3mmX2.2mm	ZHR49C-4.5SF	Red	GaP	Red Trans.	700	1 - 4	90°	7
	ZHR49W-4.5SF	Red	GaP	Water Clear	700	1 - 4	90°	
	ZUR49C-4.5SF	Red	GaAsP/GaP	Red Trans.	625	8 - 60	90°	
	ZUR49W-4.5SF	Red	GaAsP/GaP	Water Clear	625	8 - 60	90°	
	ZMR49C-4.5SF	Red	GaAlAs	Red Trans.	660	70 - 300	90°	
	ZMR49W-4.5SF	Red	GaAlAs	Water Clear	660	70 - 300	90°	
	ZMG49C-4.5SF	Green	GaP	Green Trans.	565	8 - 40	90°	
	ZMG49W-4.5SF	Green	GaP	Water Clear	565	8 - 40	90°	
	ZUY49C-4.5SF	Yellow	GaAsP/GaP	Yellow Trans.	590	8 - 40	90°	
	ZUY49W-4.5SF	Yellow	GaAsP/GaP	Water Clear	590	8 - 40	90°	

2.7mmx3.4mm	ZURMG51W	Red	GaAsP/GaP	Water Clear	625	8 - 50	120°	8
		Green	GaP		565	8 - 50		
	ZMRMG51W	Red	GaAlAs	Water Clear	660	80 - 200	120°	
		Green	GaP		565	8 - 50		

SOT-23	ZHR48D	Red	GaP	Red Diffused	700	0.5 - 12.5	140°	9
	ZHR48C	Red	GaP	Red Trans.	700	0.5 - 12.5	140°	
	ZHR48W	Red	GaP	Water Clear	700	0.5 -12.5	140°	
	ZUR48D	Red	GaAsP/GaP	Red Diffused	625	8 - 32	140°	
	ZUR48C	Red	GaAsP/GaP	Red Trans.	625	8 - 32	140°	
	ZUR48W	Red	GaAsP/GaP	Water Clear	625	8 - 32	140°	
	ZMR48D	Red	GaAlAs	Red Diffused	660	50 - 90	140°	
	ZMR48C	Red	GaAlAs	Red Trans.	660	50 - 90	140°	
	ZMR48W	Red	GaAlAs	Water Clear	660	50 - 90	140°	
	ZMG48D	Green	GaP	Green Diffused	565	8 - 32	140°	
	ZMG48C	Green	GaP	Green Trans.	565	8 - 32	140°	
	ZMG48W	Green	GaP	Water Clear	565	8 - 32	140°	
	ZUY48D	Yellow	GaAsP/GaP	Yellow Diffused	590	5 - 12.5	140°	
	ZUY48C	Yellow	GaAsP/GaP	Yellow Trans.	590	5 - 12.5	140°	
	ZUY48W	Yellow	GaAsP/GaP	Water Clear	590	5 - 12.5	140°	
	ZURMG48W	Red	GaAsP/GaP	Water Clear	625	8 - 32	140°	
		Green	GaP		565	8 - 32		
	ZURMG48M	Red	GaAsP/GaP	White diffused	625	8 - 32	140°	
		Green	GaP		565	8 - 32		

