

Shin-Etsu Handotai Compound Semiconductor Materials & LED

Variation of visible light LED chips

			Wavelength (λd)										
		Chip size	570nm	585nm	590nm	605nm	615nm	620nm	625nm	630nm	640nm	645nm	650nm
Series of AS	GaP on top	9mil	○		○			○		○			
		12mil	○						○				
	ITO on top	9mil	○		○								
		12mil	○	○	○	○			○	○			
Series of TS		9.5mil							○				
		11mil					○	○	○	○		○	
		15mil					○						
Series of ATS		9.5mil							○				
		11mil					○	○	○	○		○	
		15mil					○						
Series of TM		7mil							○				
		8mil			○	○	○	○	○	○		○	
		9.5mil			○	○	○	○	○	○		○	
		11mil					○	○	○	○		○	
Series of BR-A		7mil			○	○	○	○	○	○			
		9mil			○	○	○	○	○	○			
		10mil			○	○	○	○	○	○			
		12mil			○	○	○	○	○	○	○	○	
		14mil			○	○	○	○	○	○	○	○	
		20mil			○	○	○	○	○	○	○		
		40mil			○	○	○	○	○	○	○	○	
Series of BR-B		12mil			○	○	○	○	○	○		○	
		14mil			○	○	○	○	○	○	○	○	
		20mil			○	○	○	○	○	○		○	
		30mil			○			○	○				
Series of MR		8mil			○	○			○				
		9mil			○	○	○		○				
		10mil			○	○			○				
		12mil						○	○				
		14mil			○	○	○	○	○			○*	○#
		20mil			○	○	○	○	○			○*	
		30mil					○	○	○				
		42mil					○	○	○				

* λ d: 645nm = λ p: 660nm

λ d: 650nm = λ p: 665nm

Variation of infrared LED chips

		Wavelength (λ p)						
	Chip Size	730nm	750nm	780nm	810nm	830nm	850nm	940nm
Series of BR-IR (IR for high current)	8mil						○	○
	10mil	○		○				○
	12mil	○		○	○		○	○
	14mil	○	○	○	○	○	○	○
	20mil	○					○	
	28mil				○		○	
	32mil						○	
	42mil	○			○		○	○

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