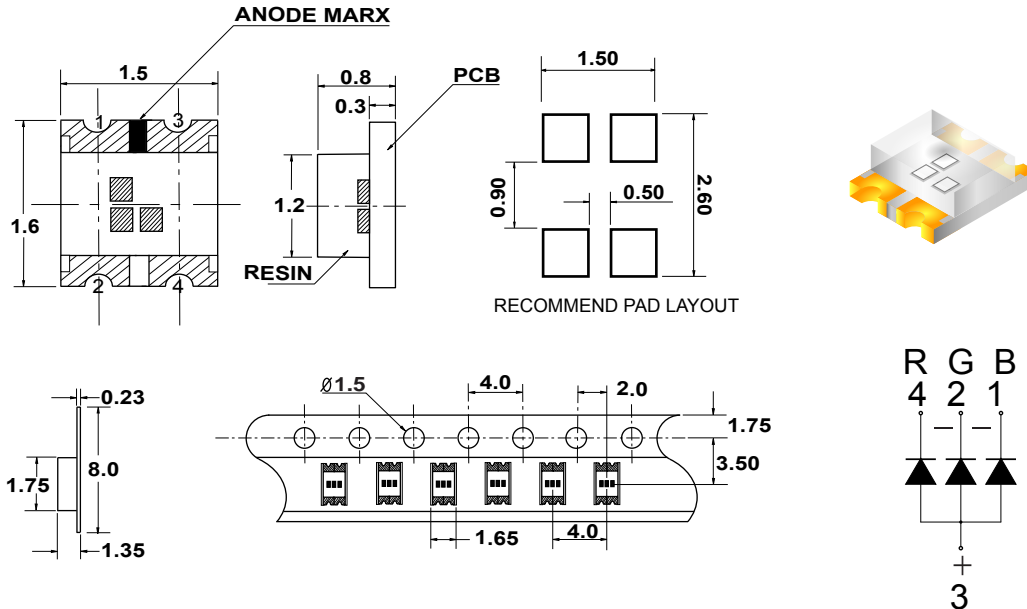


KT0603RGBC



Absolute maximum ratings(Ta=25°C)

Parameter	Symbol	Value			Unit
		R	G	B	
Power dissipation	Pd	75	114	120	mW
Forward current	If	30			mA
Reverse voltage	Vr	5			V
Operating temperature range	Top	- 20 to + 80			°C
Storage temperature range	Tstg	- 20 to + 80			°C
Peak pulsing current (1/8 duty f=1kHz)	Ifp	125			mA

Electro-Optical Characteristics(Ta=25°C)

Parameter	Test Condition	Symbol	Value			Unit	
			Min	Typ	Max		
Wavelength at peak emission	If=20mA	λ_{peak}	R	635	640	645	nm
			G	520	525	530	
			B	460	465	470	
Spectral half bandwidth	If=20mA	$\Delta\lambda$	R	-	21	-	nm
			G	-	40	-	
			B	-	40	-	
Dominant wavelength	If=20mA	λ_{dom}	R	-	630	-	nm
			G	-	527	-	
			B	-	472	-	
Forward voltage	If=20mA	Vf	R	-	2	2.5	V
			G	-	3.2	3.8	
			B	-	3.5	4	
Luminous intensity	If=20mA	Iv	R	80	-	-	mcd
			G	67	-	-	
			B	40	-	-	
Viewing angle at 50% Iv	If=10mA	2 θ 1/2	-	140	-	Deg	
Reverse current	Vr=5V	Ir	-	-	10	μ A	