

3mm LED
Bi-Color
Non-Tinted, Diffused

Dialight

3TD-9664, 3TD-986x, 3TF-9484

*** NOT A VALID PART
NUMBER. THIS SHEET IS FOR
REFERENCE ONLY.**

TYPE	COLOR
*3TD-9664	Red/Green
*3TD-9868	Red/Green
*3TD-9869	Yellow/Green
*3TF-9484	Red/Green

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ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)	Red/Green -9664	Red/Green -9868	Yellow/Green -9869	Red/Green -9484
Power Dissipation (mW)	75/75	100/100	60/100	75/75
Forward Current (mA)		30/30	20/30	30/30
Derating (mW/ $^\circ\text{C}$) From 25 $^\circ\text{C}$ *Derating (mA/ $^\circ\text{C}$) From 50 $^\circ\text{C}$.85/.85	.4*/.4*	.25*/.4*	.33*/.67*
Peak Current (mA) Pulse width 10 μs	100/100	30/30	80/120	100/100
Operating Temperature ($^\circ\text{C}$)	-30/+85	-55/+100	-55/+100	-30/+85
Storage Temperature ($^\circ\text{C}$)	-30/+100	-55/+100	-55/+100	-30/+100
Soldering Temperature	260 $^\circ\text{C}$, 6 seconds, 1.6 mm from case (9484 only)			
	260 $^\circ\text{C}$, 5 seconds, 1.6 mm from case (except 9484)			

Solder Adherence per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$)		Red/Green -9664	Red/Green -9868	Yellow/Green -9869	Red/Green -9484
Luminous Intensity (mcd)	Min.	4/6	2.5*/3.7*	2.5*/2.5*	2/2
	Typical	8/12	4.7*/10*	4.3*/6.3*	4/4
Peak Wavelength (nm)	Typical	630/560	635/565	585/565	630/560
Viewing Angle ($2\theta_{1/2}$)	Typical	80 $^\circ$	60 $^\circ$ /60 $^\circ$	80 $^\circ$ /80 $^\circ$	
Forward Voltage (V)	Typical	2/2.1	2/2.1	2.1/2.1	2/2.1
	Max.	2.5/2.5	2.8/2.8	2.8/2.8	2.5/2.5
Reverse Voltage (V)					
	Min.	5	5	5	5

θ^1 is the off axis angle at which the luminous intensity is half the axial luminous intensity