

F8 FROSTED LENS / MILKY DIFFUSION COMMON CATHODE, RED AND GREEN EMISSION

**(Part number system for led lamp) CZ190668/RG504TM-A (ϕ 8MM
FROSTED LENS red and green emission, common cathode)**

CHIP		
type	GaP	GaP
color	red	green

Colloid	
(Material)	(Epoxy resin)
(Color)	Milky

(Absolute Maximum Ratings) (Ta=25℃)

item	Symbol	value		unit
(CHIP)		red	green	
(Max operating current)	IF	20	20	mA
(Reverse Voltage)	VF	6	6	V
(Using temperature)	TOP	-25~+85	-25~+85	℃
(Lead Soldering Temperature/Time)	TSOL	260/≤3	260/≤3	℃/S
(Power Dissipation)	PD	80	100	mW
(Max Continuous Forward Current)		40	40	mA

(Initial Electrical Optical Characteristics)

chip type		red light chip			common green chip				
Parameter	symbol	Min.	Com.	Max.	Min	Com.	Max.	Unit	Testing condition
Luminous Intensity	IV	1500	~	2000	400	~	600	mcd	IF=20mA
Viewing Angle	2 θ 1/2	/	45	/	/	45	/	deg	IF=20mA
Peak Wave Length	λ_p	/	625	/	/	525	/	nm	IF=20mA
Dominant Wave Length	λ_d	620	625	630	570	575	580	nm	IF=20mA
Width at half height	$\Delta\lambda$	/	30	/	/	30	/	nm	IF=20mA
Forward Voltage	VF	1.9	2.1	2.3	1.9	2.1	2.3	V	IF=20mA
Reverse Current	IR	/	/	≤30	/	/	≤30	μA	VR=5V

(Package Dimensions) : (Unit) : mm

