



Constant current drive IC  
VF:12V IF:40mA

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OPTICAL CHARACTERISTICS:									
ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION			
forward voltage	V <sub>F</sub>	2V@0.5		2.5	V	I <sub>F</sub> =20mA			
reverse current	I <sub>R</sub>			1	μA				
peak emission wavelength	λ <sub>P</sub>			460	nm				
spectral line half-width	Δλ			20	nm				
chromaticity coordinate	x, y								
luminance	L <sub>v</sub>	15	30		cd/m <sup>2</sup>				
luminance tolerance	ΔL <sub>v</sub>	±5	±10		%				

ABSOLUTE MAXIMUM RATINGS:									
ITEM	SYMBOL	CONDITION	MAXIMUM	UNIT					
absolute maximum forward current	I <sub>F</sub>	DC	20	mA					
peak forward current	I <sub>P</sub>	10% duty cycle	200	mA					
reverse voltage	V <sub>R</sub>		5	V					
power dissipation	P <sub>D</sub>		100	mW					
operating temperature	T <sub>OP</sub>		-40 to 85	°C					
storage temperature	T <sub>STG</sub>		-40 to 125	°C					

Δ	2025.5.12	ALL	New Drawing		
NO	DATE	AREA	REVISION CONTENT	DRAWING	APPROVAL
APPROVAL	CHECK	PART NAME	SCALE	DATE	2025.5
DRAWING	DRAWING NO.	SF-ABS214106W12LC	SCALE	1:1	
上海康巴思电子科技有限公司					VER3
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