

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SINGLE DIGIT DISPLAY

VAOS-C/A301S9-BW/40



Product:

0.30 "SINGLE DIGIT DISPLAY

Part Number:

VAOS-C301S9-BW/40 VAOS-A301S9-BW/40

Description

Chip Material-S: AlGaAs/GaAs. Emitted Color: Super Bright Red. Black Face & White Segment.

VAOS-C301S9-BW/40 Common Cathode.

VAOS-A301S9-BW/40 Common Anode.







Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	Super Bright Red	Unit	
Power dissipation per dice	PAD	75	mW	
Derating Liner from 25°C per dice	-	0.42	m A /°C	
Continuous forward current per dice	IAF	30	mA	
Peak current per dice (duty cycle 1/10, 1kHz)	IPF	150	mA	
Reverse voltage per dice	VR	5	V	
Operating temperature	Topr	-25 to +85	$^{\circ}\! \mathbb{C}$	
Storage temperature	Tstg	-25 to +85	$^{\circ}\!\mathbb{C}$	
Solder temperature 1/16 inch below seating plar	ne for 5 sec	onds at 260℃		

Electrical / Optical Characteristics and Curves at Ta=25°C

Parameter	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Forward Voltage per segment	VF	IF=20 mA		1.8	2.5	V
Luminous intensity per segment	IV	IF=20 mA		4.0		mcd.
Peak emission wavelength	λd	IF=20 mA		660		nm
Spectrum radiation bandwidth	Δλ	IF=20 mA		20		Deg.
Reverse Current	IR	VR=5 V			100	μ A

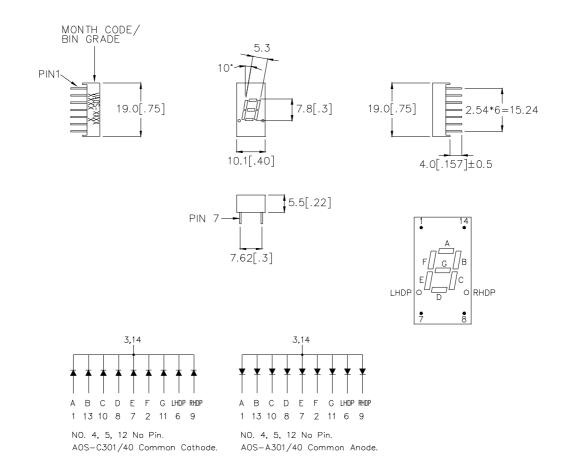
* Tolerance : $\pm 20\%$.





Package Dimension & Internal Circuit

- * 0.3" inch (7.8mm) Digit height.
- * Case mold type.
- * Wide viewing angle.



NOTE:

- All pins are \$0.45(.02).
 Dimension in millimeter (inch), and tolerance is ±0.30 (.01) unless otherwise noted.

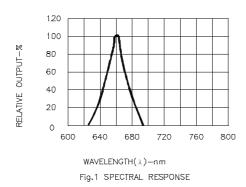
VER_C-10-09-P40

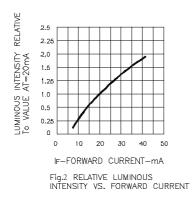


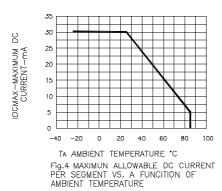


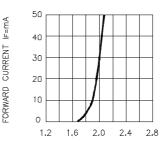


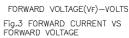
RED Typical Electro-optical Characteristic Curves (25°C Free Air Temperature Unless Otherwise Specified)











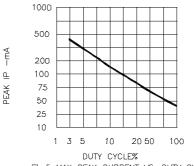


Fig.5 MAX PEAK CURRENT VS. DUTY CYCLE %

(REFRESH RATE f=1KHz)



