

Features

0.5" digit height (alphanumeric)
High segment intensity
Range of colours
Multiplexing capability
ROHS Compliant

Options

Black or Grey face colour
Colored segments
Copper terminal pins
Long terminal pins
Low current version



Electro Optical Characteristics $I_F = 20\text{mA}$ ($T_A = 25^\circ\text{C}$)

Part Number		Emitting Colour	Wavelength Peak λ_P (nm)	Forward voltage V_F (V)	
Common Cathode	Common Anode			Typical	Max
050V1B SB	050V1A SB	Superbright Blue	460	2.9	3.2
050V1B UB	050V1A UB	Ultrabright Blue	460	2.9	3.2
050V1B SG	050V1A SG	Superbright Pure Green	530	3.0	3.4
050V1B UG	050V1A UG	Ultrabright Pure Green	530	3.0	3.4
050V1B UYG	050V1A UYG	Superbright Yellow Green	560	2.0	2.2
050V1B UOR	050V1A UOR	Ultrabright Amber	610	1.9	2.2
050V1B UY	050V1A UY	Ultrabright Yellow	590	1.9	2.1
050V1B SR	050V1A SR	Superbright Red	650	1.9	2.1
050V1B UR	050V1A UR	Ultrabright Red	660	1.9	2.1

Absolute Maximum Ratings $T_a=25^\circ\text{C}$

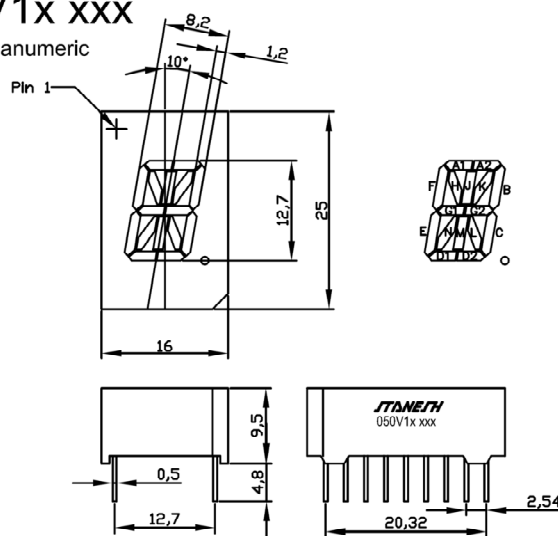
Characteristic	Symbol	Rating	Unit
DC forward current	I_F	20	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-25 to +80	$^\circ\text{C}$
Storage Temperature	T_{stg}	-30 to +85	$^\circ\text{C}$
Lead Soldering Temperature ¹	-	260	$^\circ\text{C}$

¹ 1.6mm from body – max 3 seconds

Product Diagram (All dimensions are in mm)

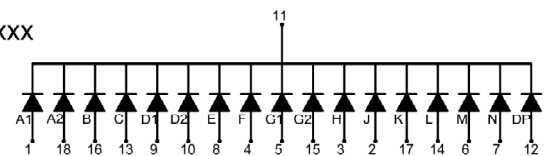
050V1x xxx

0.5" alphanumeric



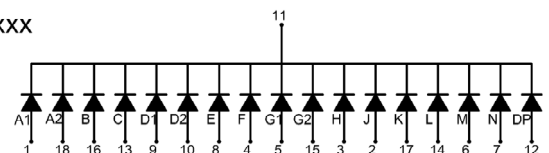
050V1B xxx

Common cathode



050V1A xxx

Common anode



*Specifications may change due to new materials or product improvement