

Features

0.3" digit height
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 $I_F = 20\text{mA}$ ($T_A = 25^\circ\text{C}$)

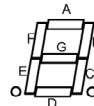
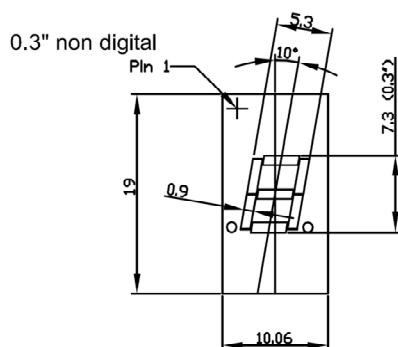
Part Number		Emitting Colour	Wavelength Peak λ_P (nm)	Forward voltage V_F (V)	
Common Cathode	Common Anode			Typical	Max
030R1B SB	030R1A SB	Superbright Blue	460	2.9	3.2
030R1B UB	030R1A UB	Ultrabright Blue	460	2.9	3.2
030R1B SG	030R1A SG	Superbright Pure Green	530	3.0	3.4
030R1B UG	030R1A UG	Ultrabright Pure Green	530	3.0	3.4
030R1B UYG	030R1A UYG	Superbright Yellow Green	560	2.0	2.2
030R1B UOR	030R1A UOR	Ultrabright Amber	610	1.9	2.2
030R1B UY	030R1A UY	Ultrabright Yellow	590	1.9	2.1
030R1B SR	030R1A SR	Superbright Red	650	1.9	2.1
030R1B UR	030R1A UR	Ultrabright Red	660	1.9	2.1

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

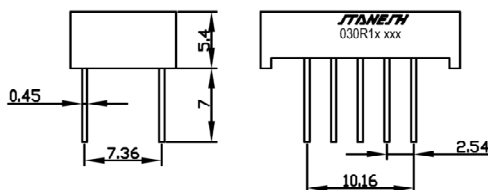
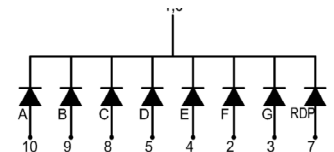
Characteristic	Symbol	Rating	Unit
DC forward current	I_F	20	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-25 to +80	$^\circ\text{C}$
Storage Temperature	T_{stg}	-30 to +85	$^\circ\text{C}$
Lead Soldering Temperature ¹	-	260	$^\circ\text{C}$

¹ 1.6mm from body – max 3 seconds

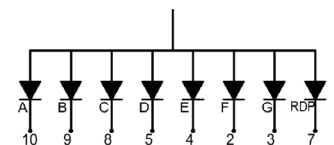
Product Diagram (All dimensions are in mm)



030R1B xxx
Common cathode



030R1A xxx
Common anode



*Specifications may change due to new materials or product improvement