



BVN-4301RS1/9301RS1

DESCRIPTION

Dice Material : GaAlAs/GaAs,SH Super Brightness Red

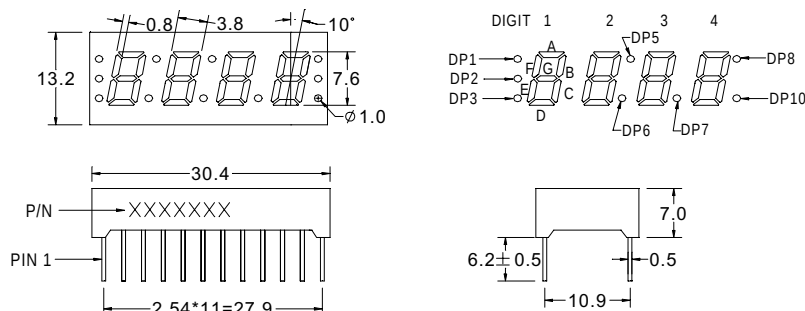
Lens Color : Milky Diffused

Light Color : Red Color

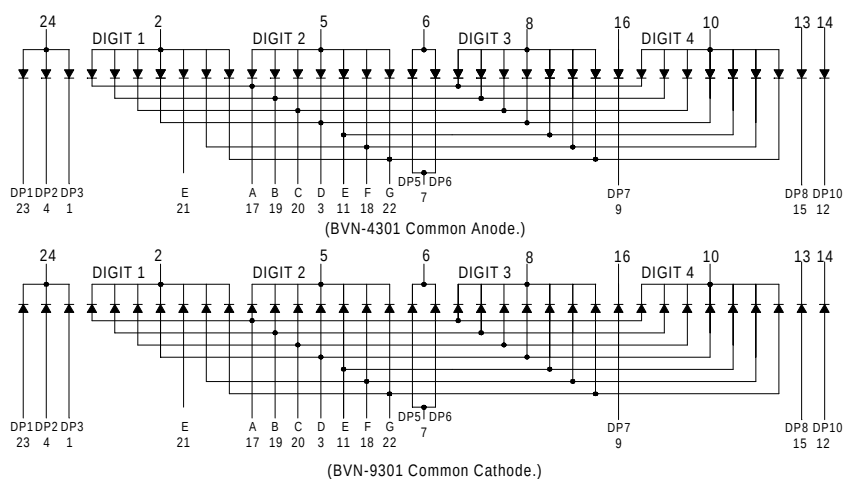
Surface Color : Black

PACKAGE CONFIGURATION

Tolerance : ± 0.25 mm



TYPICAL INTERNAL EQUIVALENT CIRCUIT



ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	100	mW
Continuous Forward Current	40	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	200	mA
Reverse Voltage	5	V
Derating Linear From 25 °C	0.5	mA/ °C
Operating Temperature Range	-30 °C to + 85 °C	
Storage Temperature Range	-40 °C to + 100 °C	
Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 seconds		

ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V _F	Forward Voltage	I _F = 20 mA		1.8	2.5	V
I _R	Reverse Current	V _R = 5 V			100	μA
λ _p	Peak Emission Wavelength	I _F = 20 mA		660		nm
λ _d	Dominant Wavelength	I _F = 20 mA		643		nm
I _v	Luminous Intensity	I _F = 10 mA	4.7	8.5		mcd

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