



BVN-1781E2/6781E2

DESCRIPTION

Dice Material : GaAsP/GaP Orange

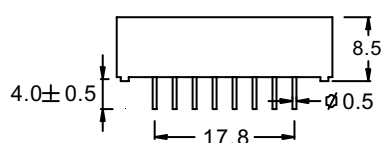
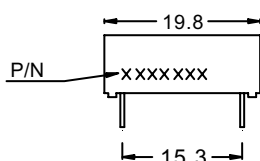
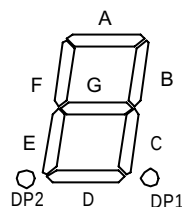
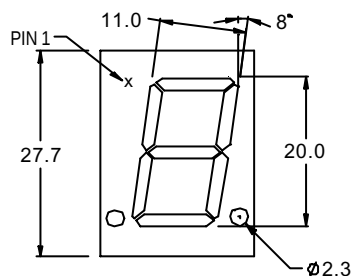
Light Color : Orange Color

Lens Color : Milky Diffused

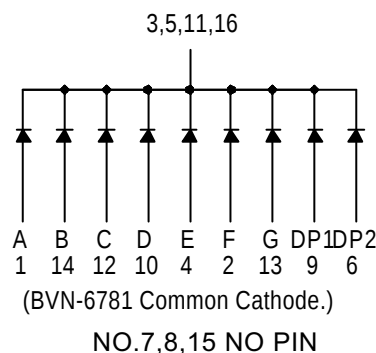
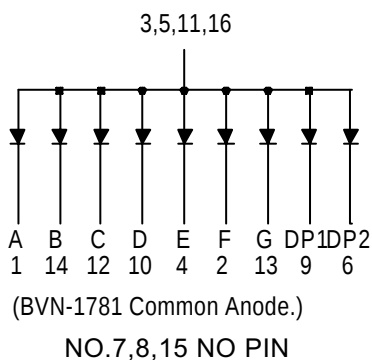
Surface Color : Gray

PACKAGE CONFIGURATION

Tolerance : ± 0.25 mm



TYPICAL INTERNAL EQUIVALENT CIRCUIT



ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C

PARAMETER	MAX.	UNIT
Power Dissipation	80	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	120	mA
Reverse Voltage	5	V
Derating Linear From 25 °C	0.4	mW/ °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		2	2.8	V
I R	Reverse Current	V R = 5 V			100	μ A
λ p	Peak Emission Wavelength	I F = 20 mA		632		n m
λ d	Dominant Wavelength	I F = 20 mA		622		n m
I V	Luminous Intensity	I F = 10 mA	4.7	8.5		mcd

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