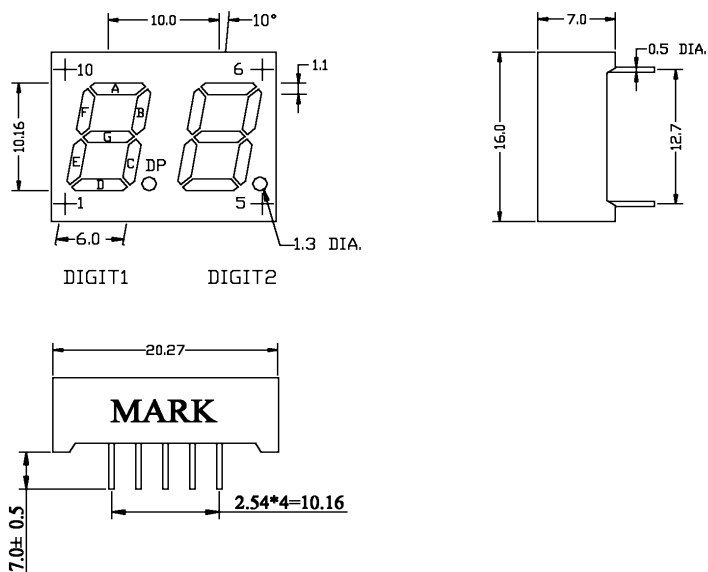


MTNP240-11A

Features

Additional Colors/Materials Available
Excellent Character Appearance
High Light Output
IC Compatible
Low Current Requirements
Other Face/Epoxy Colors Available
Right Hand Decimal
Duplex Drive



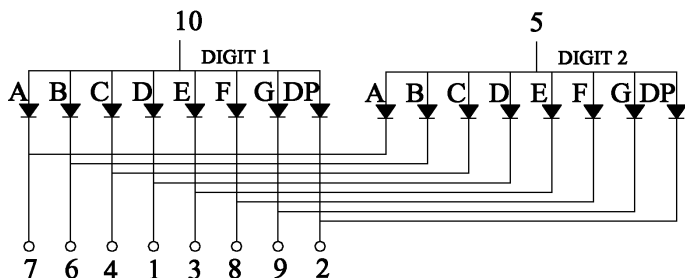
1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS $\pm 0.25\text{mm}$ UNLESS OTHERWISE NOTED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.

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

Characteristic	Symbol	Max.	Unit
Forward Current	I_F	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	7.8	mW
Operating Temperature	T_{opr}	$-40 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$	$^\circ\text{C}$
Soldering Temperature	T_{sol}	260	$^\circ\text{C}$
Soldering Time	—	for 3 sec. max	—

Opto-Electrical Characteristics ($T_a=25^\circ\text{C}$)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=10\text{mA}$	—	2.10	2.60	V
Reverse Current	I_R	$V_R=5\text{V}$	—	—	100	μA
Luminous Intensity	I_v	$I_F=10\text{mA}$	.60	1.00	—	mcd
Peak Wavelength	λ_p	$I_F=20\text{mA}$	—	555	—	nm
Dominant Wavelength	λ_d	$I_F=20\text{mA}$	—	562	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	—	25	—	nm

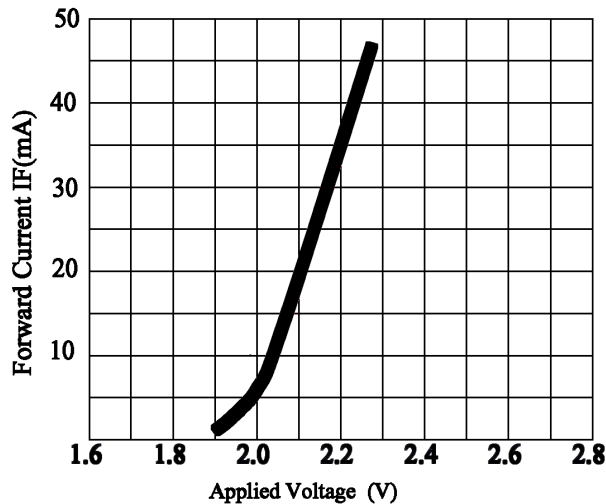


MTNP240-11A Pin ut

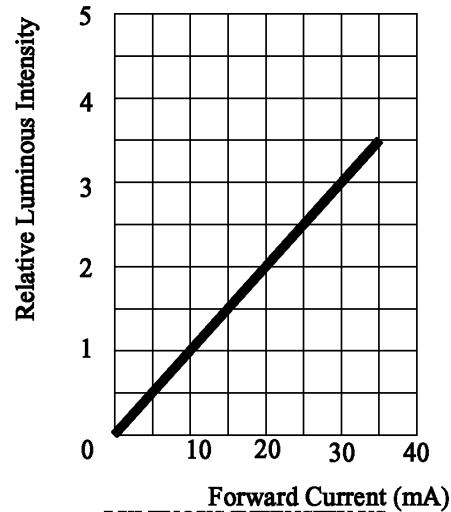
Pin No.	Function
1	CATHODE D
2	CATHODE DP
3	CATHODE E
4	CATHODE C
5	DIGIT 2 COMMON ANODE
6	CATHODE B
7	CATHODE A
8	CATHODE F
9	CATHODE G
10	DIGIT 1 COMMON ANODE

MTNP240-11A Graphs

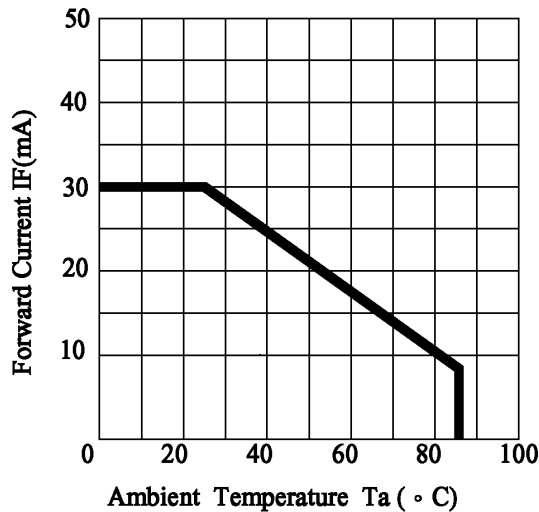
Typical Electrical/Optical Characteristic Curves
(25 °C Ambient Temperature Unless Otherwise Noted)



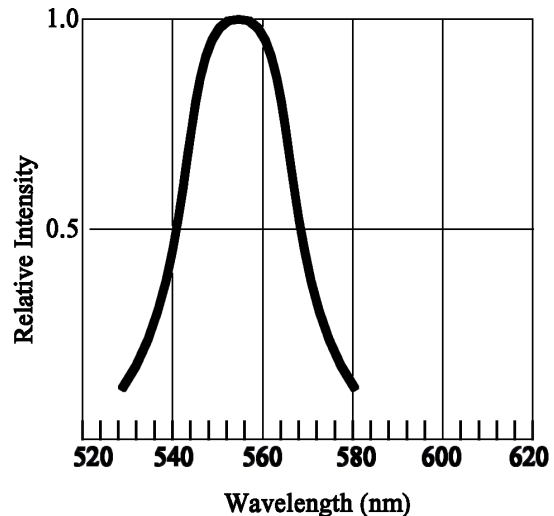
FORWARD CURRENT VS. APPLIED VOLTAGE



**Forward Current (mA)
LUMINOUS INTENSITY VS.
FORWARD CURRENT**



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RELATIVE INTENSITY VS. WAVELENGTH