

FND 357—Red GaAsP Single Digit 7-Segment LED Display

GENERAL DESCRIPTION

The FND357 is a Red GaAsP single digit, 7-segment LED display with nominal 3/8in. character height in cathode configuration.

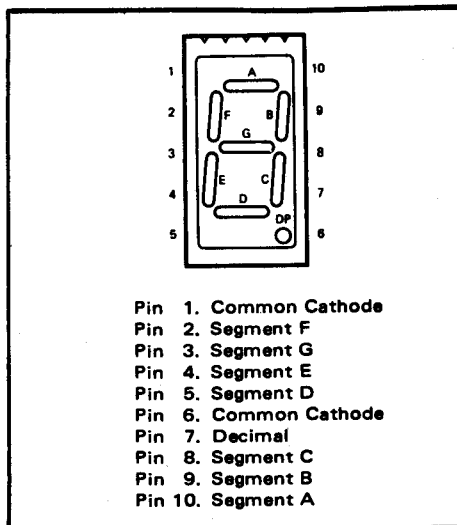
ABSOLUTE MAXIMUM RATINGS

Junction Temperature	—25°C to +85°C
Storage Temperature	—25°C to +85°C
Solder Temperature	260°C
Relative Humidity @ 85°C	98%
V _R Reverse Voltage	3.0 V
I _{F(Avg)} Average Forward Current/ Segment or Decimal Point	25 mA
Derate from 25°C Ambient Temperature	0.3 mA/°C
I _P Peak Current/Segment or Decimal Point (100μs pulse width) 1000 PPS, T _A = 25°C	200 mA

REFERENCE TABLE

Code	Stock No.
FND357	36022E

PIN CONNECTIONS



FEATURES

Compact 10 digits in 3in. panel width
Low current requirements 2-20 mA/segment
Low voltage 1.7 V
Intensity code marking for uniform displays
Right hand decimal

ELECTRICAL AND RADIANT CHARACTERISTICS (T_A = 25°C)

Symbol	Characteristic	Min.	TYP	Max.	Units	Conditions
I _O	Axial Luminous Intensity, Each Segment	240	600		μcd	I _F = 20 mA
V _F	Forward Voltage	1.5	1.7	2.0	V	I _F = 20 mA
BV _R	Reverse Breakdown Voltage	3.0	12		V	I _R = 1.0 mA
θ _{1/2}	Viewing Angle to Half Intensity		±25		degrees	
L _O	Average Segment Luminance		35		ftL	I _F = 20 mA
λ _{pk}	Peak Wavelength		650		nm	I _F = 20 mA
ΔI _O	Intensity Matching, Segment to Segment		±33		%	I _F = 20 mA
	Intensity Matching Within One Intensity Class		±20		%	I _F = 20 mA All Segments at Once

MANUFACTURER'S CURRENT LIST PRICES ARE ALWAYS CHARGED