



678 SERIES

8mm High Intensity Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.323" (8.2 mm) [Fig. 1 & 2];

0.335" (8.5 mm) [Fig. 3]

MAX PANEL THICKNESS:

see part number table

MOUNTING TORQUE:

0.271 lbs/ft (3 kg/cm) [Fig. 1 & 2]

0.362 lbs/ft (5 kg/cm) torque [Fig. 3]

OPERATING VOLTAGE:

2 & 3.3 VDC [Fig. 1 & 2]; 6, 12 & 24 VDC [Fig. 3]

(no resistor required)

OPERATING TEMP:

-20 °C to +75 °C (-4°F to 167°F)

STORAGE TEMP:

-40°C to +100°C (-40°F to 212°F)

ELECTRICAL CONNECTION:

Straight leads [Fig. 1 & 2]; Solder terminals or 6" wire leads [Fig. 3]

HOUSING:

Protruding: Chrome plated brass; Internal position: Polycarbonate

TERMINALS: Copper–Nickel Plated

LOCK WASHER: Iron–Nickel Plated

NUT: Brass–Nickel Plated

CERTIFICATIONS & RATINGS

RoHS compliant

IP66 (protruding type only)

APPLICATION

The 678 Series LED Panel Mount Indicators are designed for a variety of applications such as:

- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

DIMENSIONS inches [mm]

FIGURE 1

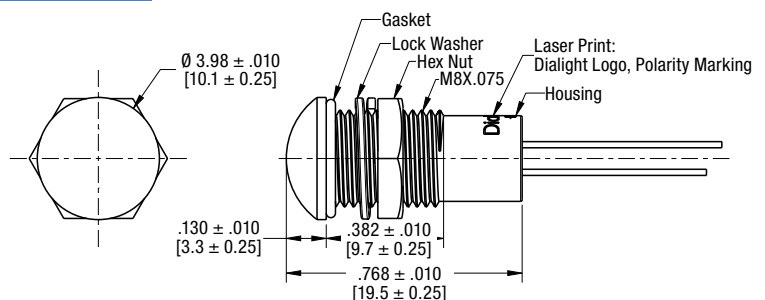
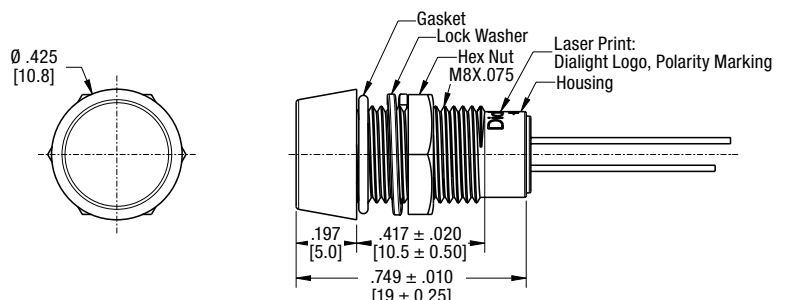


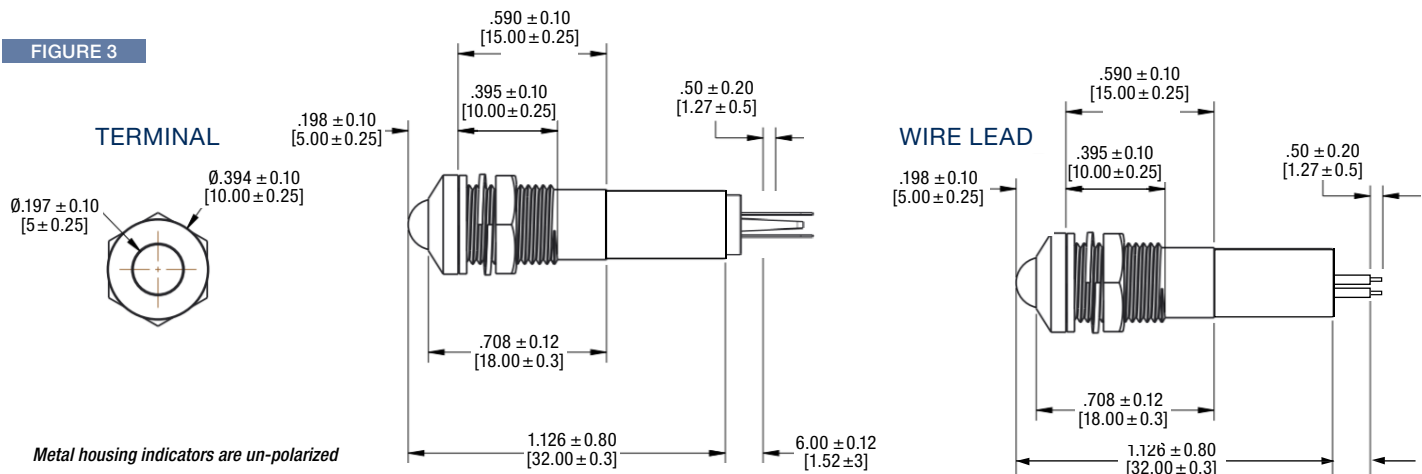
FIGURE 2



These indicators are un-polarized

DIMENSIONS inches [mm]

FIGURE 3



ORDERING INFORMATION

Part Number	Color	Voltage (V DC)	Current (mA)	Typical Intensity (mcd)	Viewing Angle	LED Position	Fig. #	Mount Style	Panel Thickness
Straight Leads									

Polycarbonate

678-1131-111F	 Red	2	15	2210	4	Internal	1	Lock washer & nut	.2165" (5.5 mm)
678-1231-112F	 Green	3.3		46860					
678-1331-113F	 Orange	2		2210					
678-1431-114F	 Blue	3.3		7100					
678-3131-111F	 Red	2		3020	40		2		
678-3231-112F	 Green	3.3		30600	20				
678-3331-113F	 Orange	2		3260	20				
678-3431-114F	 Blue	3.3		4360	40				

White Nickel

Part Number	Part Number	Color	Voltage (V DC)	Current (mA)	Typical Intensity (mcd)	Viewing Angle	LED Position	Fig. #	Mount Style	Panel Thickness										
Terminals	Wire Leads																			
678-1112-321F	678-1115-321F	Red	6	15	320	20	Protruding	3	Lock washer & nut	.3158" (8.0 mm)										
678-1212-322F	678-1215-322F	Green			2920															
678-1312-323F	678-1315-323F	Orange			490															
678-1412-324F	678-1415-324F	Blue			220															
678-1112-331F	678-1115-331F	Red	12		320						20	Protruding	3	Lock washer & nut	.3158" (8.0 mm)					
678-1212-332F	678-1215-332F	Green			2920															
678-1312-333F	678-1315-333F	Orange			490															
678-1412-334F	678-1415-334F	Blue			220															
678-1112-341F	678-1115-341F	Red	24		320											20	Protruding	3	Lock washer & nut	.3158" (8.0 mm)
678-1212-342F	678-1215-342F	Green			2920															
678-1312-343F	678-1315-343F	Orange			490															
678-1412-344F	678-1415-344F	Blue			220															



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