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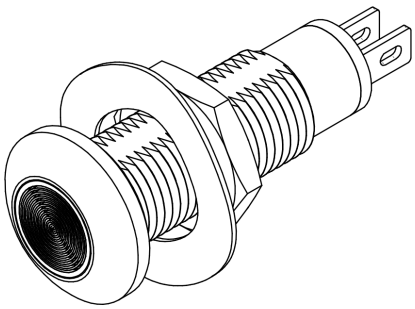
ML 5117 PANEL INDICATORS

FEATURES

- Wide viewing angles
- Multiple LED colors available
- High intensity LED
- Sealed to IP67 standard
- Voltage options (*see chart*)
- Industrial/external applications
- Panel-suitable mounting
- Internal resister
- Internal potting for protection
- Bi-polar circuitry
- Viton rubber panel seal

Colors	Color Code
Red	R
Yellow	Y
Green	G
Blue	B
Cool White	C

Customized versions available upon request.



The ML 5117 Panel Indicators are rugged durable LED indicators that are suitable for panel mounting. These indicators are IP67 sealed for external functionality and feature internal potting for vibration control and durability to withstand industrial applications. Indicators meet specific military specifications listed in data sheet. These indicators come in a variety of colors with AC or low voltage applications.
Refer to the product specifications for additional details.

PROPERTIES

Material	
Housing	Black Anodized Aluminum
Hex Nut	303 Stainless Steel
Lock Washer	Zinc Spring Steel Wavy Washer
Mounting Hole	Ø 0.319 “D” Cutout
Min. Panel Thickness	0.06
Weight	**6.0 grams**
Operational Temp.	-40°C to 75°C
Storage Temp.	-40°C to 100°C
Smoked Lens	
Optional Connections	Connectors - Tin Plated Brass
Terminals	Silver Coated Brass

Wire Length (Inches)	
WL	6
WX	39

ENVIRONMENTAL SPECIFICATIONS

Vibration	.06” D.A. or 20G peak, whichever is less, 10 Hz to 2 kHz, MIL-STD-202, Method 204, Test Condition D
Shock	100G’S MIL-STD-202, Method 213, Test Condition I
Moisture Resistance (Humidity)	MIL-STD-202, Method 106
Barometric Pressure (Reduced)	100,000 ft. MIL-STD-202, Method 105, Test Condition D
Salt Atmosphere	MIL-STD-202, Method 101, Test Condition B

ELECTRO-OPTICAL SPECIFICATIONS

CHARACTERISTICS	ML5117–()–ND–()–()						
	Voltage (Vdc) Typical	Current (mA) Typical	Red	Yellow	Green	Blue	Cool White
Typical Luminous Intensity[1] (mcd)	12 – 28	6 – 16	236	217	1360	270	743
	110	7	112	103	814	154	393
Typical Wavelength (λp)	(12 – 110)	(6 – 16)	625	590	520	470	SEE BELOW

[1] Measured at 10 mA for 12 – 28V

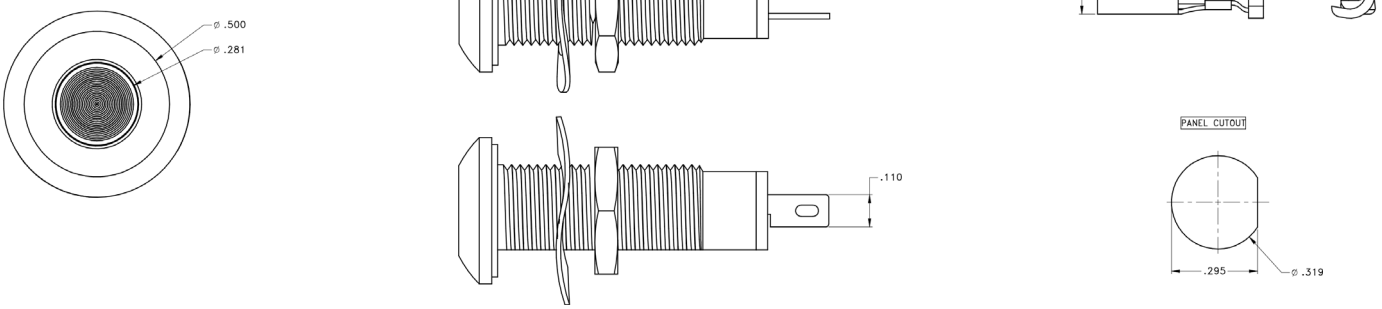
TYPICAL EMISSION COOL WHITE			
X	0.275	0.280	0.290
Y	0.270	0.280	0.300

Max. Power Dissipation	825 mW

ELECTRICAL SPECIFICATIONS

Voltage (Vdc)
12 – 28
110

DIMENSIONS (INCHES)



ML 5117 ORDERING INFORMATION

FAMILY SERIES – COLOR – NON DIFFUSED – WIRE LENGTH/TERMINAL – VOLTAGE ML5117–()–ND–()–()					
Model No.	Color	Voltage	Model No.	Color	Voltage
ML5117–R–ND–T–12/28	Red	12/28	ML5117–R–ND–T–110	Red	110
ML5117–Y–ND–T–12/28	Yellow	12/28	ML5117–Y–ND–T–110	Yellow	110
ML5117–G–ND–T–12/28	Green	12/28	ML5117–G–ND–T–110	Green	110
ML5117–B–ND–T–12/28	Blue	12/28	ML5117–B–ND–T–110	Blue	110
ML5117–C–ND–T–12/28	Cool White	12/28	ML5117–C–ND–T–110	Cool White	110
ML5117–R–ND–WL–12/28	Red	12/28	ML5117–R–ND–WL–110	Red	110
ML5117–Y–ND–WL–12/28	Yellow	12/28	ML5117–Y–ND–WL–110	Yellow	110
ML5117–G–ND–WL–12/28	Green	12/28	ML5117–G–ND–WL–110	Green	110
ML5117–B–ND–WL–12/28	Blue	12/28	ML5117–B–ND–WL–110	Blue	110
ML5117–C–ND–WL–12/28	Cool White	12/28	ML5117–C–ND–WL–110	Cool White	110
ML5117–R–ND–WX–12/28	Red	12/28	ML5117–R–ND–WX–110	Red	110
ML5117–Y–ND–WX–12/28	Yellow	12/28	ML5117–Y–ND–WX–110	Yellow	110
ML5117–G–ND–WX–12/28	Green	12/28	ML5117–G–ND–WX–110	Green	110
ML5117–B–ND–WX–12/28	Blue	12/28	ML5117–B–ND–WX–110	Blue	110
ML5117–C–ND–WX–12/28	Cool White	12/28	ML5117–C–ND–WX–110	Cool White	110

NOTE:

LABELING INFORMATION	
Laser etch case	ML5117
Laser etch date code	YYWW
Label ESD BAG:	**Example:**
Cage code	10236
Model number	ML5117–R–ND–T–12/28
Date code (YYWW)	2032

ML 5117 Panel Indicators

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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1025 W. NASA Boulevard
Melbourne, FL 32919
t 513 943 2000 | f 513 943 2050
info@L3Harris.com