

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Apem Inc. Q19P1CXXR12E

For any questions, you can email us directly: sales@integrated-circuit.com

Distributor of Apem Inc.: Excellent Integrated System Limited

Datasheet of Q19P1CXXR12E - INDICATOR 12V 19MM PROMINENT RED

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Q SERIES Ø19mm (.748") Panel Mount LED Indicators

Distinctive features and specification

Q19_VOY1603R1US

Features

- 19mm panel mounting LED indicator
- 10mm colored diffused epoxy lens or 10mm water clear super bright LEDs
- · Plated brass bezel finished in bright chrome, black chrome or satin grey and moulded polycarbonate rear body
- · Prominent, extra prominent, recessed and flush bezel styles
- Custom engraving available
- 2VDC 220VAC
- (2.8 x 0.8) solder lug/faston terminals, pins or (200mm long) wire terminations IP67 sealing option (EN60529)
- · Supplied with fixing nut and spring washer

NB: UL Recognized Component



TECHNICAL SPECIFICATIONS				
Voltage	Operating Voltage	Operating Current		
	(Min to Max)	(Typical All Types)		
02 (No Resistor)	1.8 to 3.3VDC	20mA max*		
6VDC	5.4 to 6.6VDC	20mA		
12VDC	10.8 to 13.2VDC	20mA		
24VDC	21.6 to 26.4VDC	20mA		
28VDC	25.2 to 30.8VDC	20mA		
110VAC	99 to 121VAC	6mA		
220VAC	207 to 253VAC	3mA		

Max Reverse Voltage: 5V				
Viewing Angle: 30–100° (de	pendant on model)			
Life Expectancy: 100,000 ho	ours			
Temperature Range: -40 to	Temperature Range: –40 to +85°C (operating & storage)			
Torque: 75cNm				
Ø 19.00 +0.15/-0.0	22.00 [0.888] AF			

PANEL CUTOUT

Standard LED Intensity	Prominent and Recessed	Flush	Forward Voltage
HE Red	80mcd	10mcd	2.0V
Green	60mcd	5mcd	2.2V
Yellow	50mcd	4mcd	2.1V
Blue	540mcd	100mcd	3.3V
White	1000mcd	150mcd	3.3V
Orange	80mcd	200mcd	2.0V
Bi-color (Typical) (Red/Green)	15/15mcd	14/10mcd	2.0V/2.2V
Tri-color (Typical) (Red/Green/Yellow)	60/50/50mcd	15/10/30mcd	2.0V/2.2V/2.1V
Bi-color - The color is changed by reversing the polarity of the supply voltage.			

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Tri-color - The indicator has re	and aroon LELIC	When both connected	VALIOW IS BROCHEAD
Tri-color - The indicator has re	tu anu gitti LLDS	, WHEH DOUT COLLIECTED	yellow is produced.
	 		7

Super Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	17,000mcd	2000mcd	2.2V
Green	11,000mcd	680mcd	3.5V
Yellow	4,000mcd	350mcd	2.3V
Blue	2,500mcd	250mcd	3.3V
White	4,400mcd	250mcd	3.3V
Orange	2,800mcd	300mcd	2.1V

Hyper Bright LED	Prominent and Recessed	Flush	Forward Voltage
HE Red	2,800mcd	800mcd	2.1V
Green	2,200mcd	250mcd	3.2V
Yellow	1,300mcd	250mcd	2.0V
Orange	850mcd	200mcd	2.1V

Luminous intensity will be reduced with lower operating current.

The company reserves the right to change specifications without notice.

* Customer to supply resistor for desired operating current.

Note: The operating voltage must not be exceeded by more that 10% as this will result in reduced life expectancy.

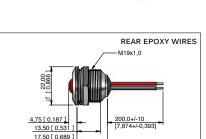


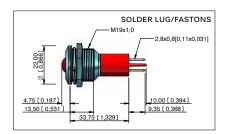
Q SERIES Ø19mm (.748") Panel Mount LED Indicators

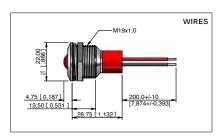
Technical Drawings

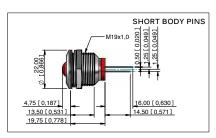
PROMINENT BEZEL

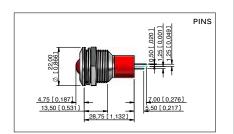


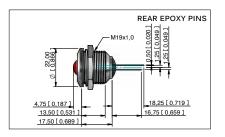


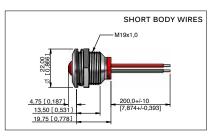




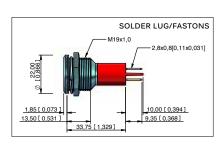


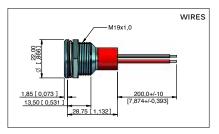


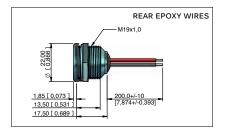


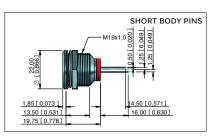


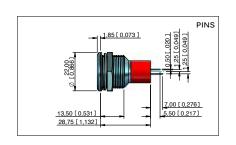
FLUSH BEZEL

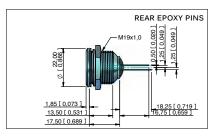


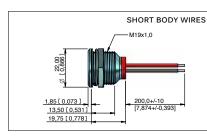












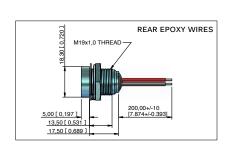


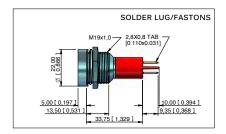
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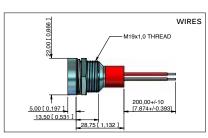
Technical Drawings

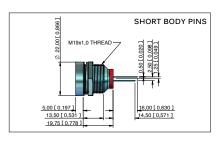
RECESSED BEZEL

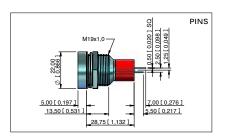


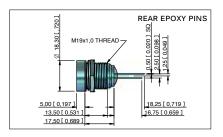


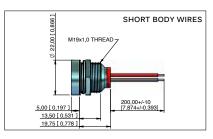






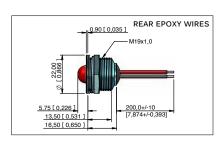


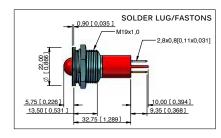


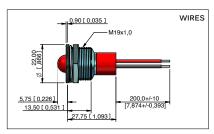


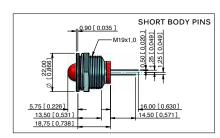
EXTRA PROMINENT BEZEL

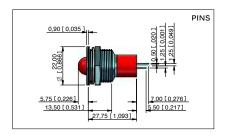


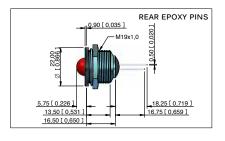


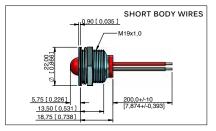














Q SERIES Ø19mm (.748") Panel Mount LED Indicators

Custom options

CUSTOM MARKING



Cable length & connector



CUSTOM ENGRAVING

Suffix the part number with legend code

Code	Symbol	Description
-0AJ		High Beam
-097		Low Beam
-027	O \$	Rear Fog
-026	≢ 0	Front Fog
-021		Windscreen Wiper
-022		Windscreen Washer
-023	%	Ventilator Fan
-0AH	\$	Turn Signal
-098	₹₽Q€	Side Lights

10		
Code	Symbol	Description
-041		Horn
-013		Hazard Warning
-018		Heating
-0BU		Brake Test
-0K6	4	Arrow
-0AG	-	Battery
-0GP		Oil Can
-020		Windscreen Heating
-086	(ABS)	ABS

Code	Symbol	Description
-0EL	000	Engine Coil
-0SB	R C	Seat Belt
-0UB	¥	USB Connection
-0ST		Steam
-0EU	ECU	ECU
-0AD		Side Step
-012	*	Air Con
-040		Engine
-0BR		Boot/Trunk Release

Some common codes are listed above, for your custom requirements please contact APEM.

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Datasheet of Q19P1CXXR12E - INDICATOR 12V 19MM PROMINENT RED

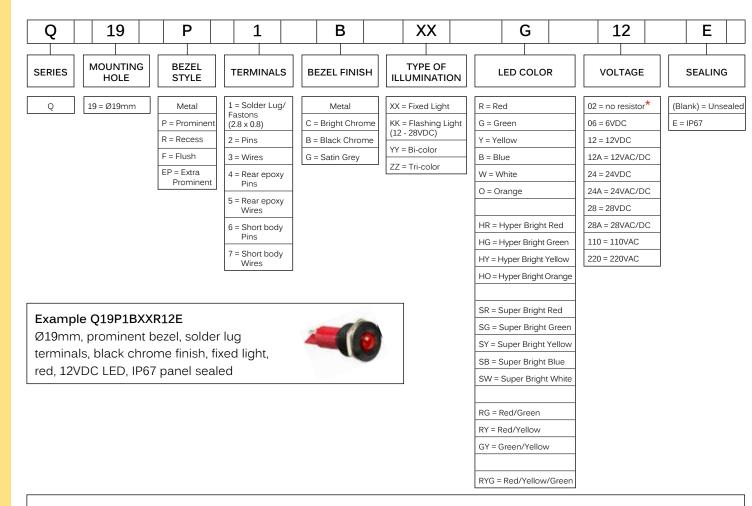
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Overview

STANDARD OPTIONS

The Q19 Series is available with a range of standard options, to specify your LED, simply choose one option from each column. An example is shown below.



- Gold Faston terminal denotes Anode (+), silver terminal denotes Cathode (-)
- Standard wire length is 200mm, 22AWG UL1007, red wire denotes Anode (+), black wire denotes Cathode (-) for other wire lengths consult APEM
- For LEDs with alternate voltages consult APEM
- Bi-color LEDs, by connecting the gold Faston (+) one color is produced,
 by reversing the supply voltage another color is produced Bi-colors are available up to 28VDC
- Take care when soldering to the Faston terminals (recommended solder temperature 300°C 3 sec)
- Short body pins and wires are only available up to 28VDC
- The Tri-color LED has red and green LEDs when both are connected yellow is produced
- Standard Tri-color Faston terminals are two Anodes (+) and one Cathode (-)
- Tri-color wires are one red (+) and one green (+) Anode and one black (-) Cathode
- Tri-color pins are center (-) Cathode, shortest (+) Anode pin green, longest (+) Anode pin red
- · Maximum panel thickness 11mm
- We recommend using Hyperbright or Superbright LEDs for use at 110VAC and 220VAC
- · For multi-voltage options please consult APEM
- * = For resistorless versions (02) please refer to the forward voltage on page 1