

Optocoupler Option for 5000 V rms/1 Minute Requirement

Technical Data

OPTION 020

Features

- **Special Construction and Testing**
- **UL Recognition for 5000 V rms/1 Minute Requirement (File No. E55361)**

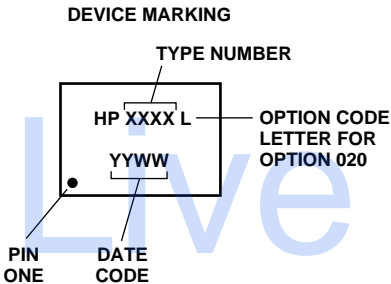
Description

Option 020 consists of special construction on a wide range of Hewlett-Packard plastic optocouplers. After assembly, each unit is subjected to an equivalent electrical performance test to ensure its capability to withstand 5000 V rms input to output for one minute. This test is recognized by Underwriters Laboratory as proof that these components may be used in many high voltage applications.

Applications

Dielectric withstand voltage ratings are required by Underwriters Laboratory when components are used in certain types of electronic equipment. The voltage rating depends on the

type of electronic equipment and the specific application within the equipment. The 5000 V rms/1 Minute dielectric withstand voltage rating provided by Option 020 offers excellent high voltage input to output protection. Some applicable UL documents are listed below.



UL Spec Number	Specification Title
114	Appliance and Business Equipment
347	High Voltage Industrial Control Equipment
508	Industrial Control Equipment
544	Medical and Dental Equipment
773	Plug-in, Locking Type Photocontrols
916	Standard for Energy Management Equipment
1012	Power Supplies
1244	Electrical and Electronic Measuring and Testing Equipment
1410	Television and Video Products
1950	Information Technology Equipment Including Electrical Business Equipment

Specifications

All specifications for optocouplers remain unchanged when this option is ordered. The 5000 V rms/1 Minute capability is validated by a factory 6200 VAC/1 Second dielectric voltage withstand test.

Ordering Information

To obtain this high voltage capability on plastic optocouplers order the standard part number and Option 020.

Examples:

6N135#020
HCPL-2001#020

This option may also be combined with option #300 (gullwing surface mount) or #500 (gullwing in tape & reel).

To obtain these combinations order option #320 or #520 respectively.

Examples:

6N135#320 (gullwing surface mount and 5000 VAC/1 min)
HCPL-2601#520 (gullwing surface mount and 5000 VAC/1 min) in tape & reel

This option is currently available on the following plastic optocouplers.

6N135/6
6N137
6N138/9
HCPL-2502/3
HCPL-2601/11
HCPL-261A/N
HCPL-4562
HCPL-4502/3/4
HCPL-4504/6
HCPL-2530/1/3, -4534
HCPL-2630/1, -4661
HCPL-263A/N
HCPL-2730/1

Contact your local HP Sales Representative concerning availability of this option for optocouplers not listed.