

Introduction to ***Letex*** company
Technology Corp.

2024.8.28

Profile



- **Since:2001**
- **取得ISO9001:2015品質管理系統認證**
- **通過UL認證, 正式量產**
- **通過CUL認證 RoHS 無鹵通過**

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Products

Letex
Technology Corp.

PHOTO MOS Relay

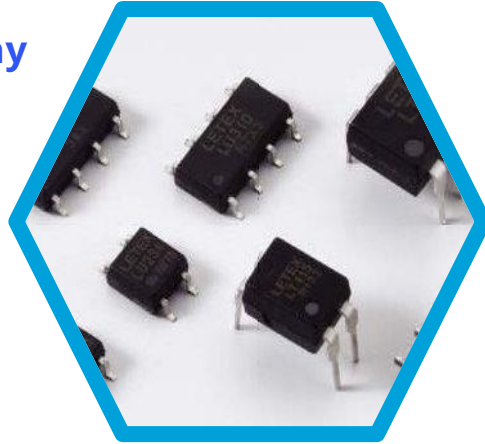
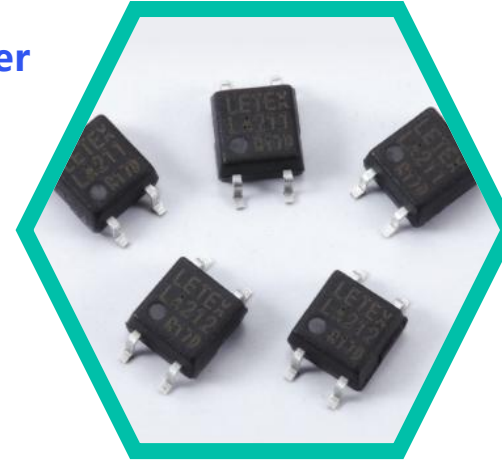


PHOTO Coupler



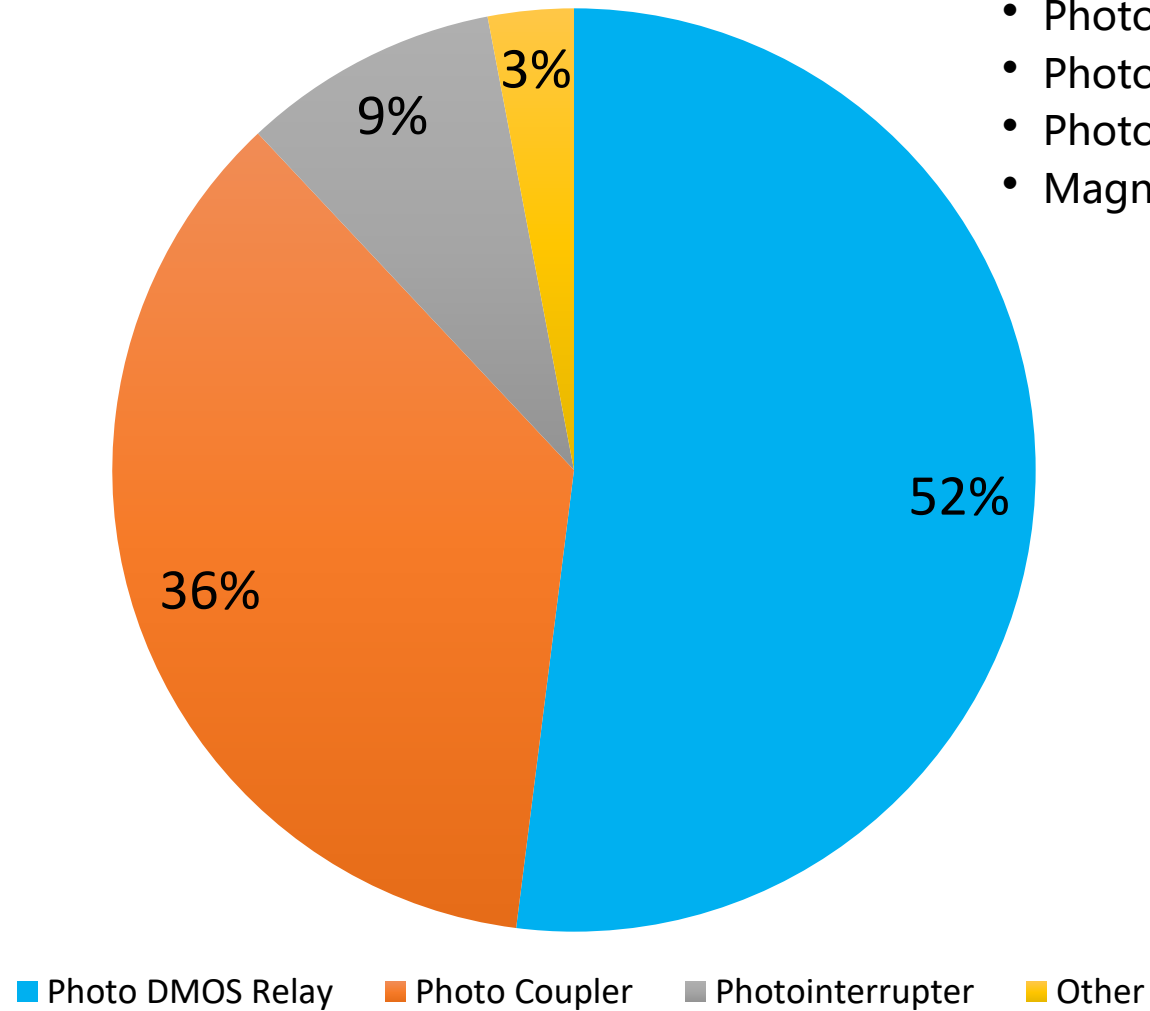
Photointerrupter



Magnetic Contact



Capacity



- Photo DMOS Relay : 6.6KK pcs / month
- Photo Coupler : 500K pcs/ month
- Photo Interrupter :300K pcs / month
- Magnetic :180K pcs / month

Quality certification and testing

Letex

Technology Corp.



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 Version: 01

4 MTF Calculation

$$AF_{\text{voltage}} = e^{[\beta \times (V_{\text{stress}} - V_{\text{use}})]} \quad AF_{\text{tc}} = \left[\frac{T_{\text{max, stressed}} - T_{\text{min, stressed}}}{T_{\text{max, use}} - T_{\text{min, use}}} \right]^n$$

$$AF = AF_V \times AF_T \quad FIT = \frac{X^2_{(2C+2)}}{2NT * AF} * 10^9 \quad MTTF = \frac{10^9}{FIT}$$

Where:

$X^2_{(2C+2)}$ = CHI Square distribution factor with 2C+2 degrees of freedom (taken from chi-square tables)

C = Total number of failures

N = Total number of devices tested

T = Test duration for each device at the given conditions

AF=Acceleration Factor

Device Name	LT Series	
Test Hours (T.H.)	1000	Hours
Sample Size (S.S.)	84	ea
Sample Failed	0	ea
Use Temperature	55	°C
Stress Temperature	85	°C
Use Voltage	5	V
Stress Voltage	5.075	V
Activation Energy	0.7	eV
β	1.0	1 / V

At 60% Confidence Level:

AF	7.9621518091648
FIT	1269.2269
MTTF	787881.1894 Hours

At 90% Confidence Level:

AF	7.9621518091648
FIT	3197.342083
MTTF	312759.778 Hours



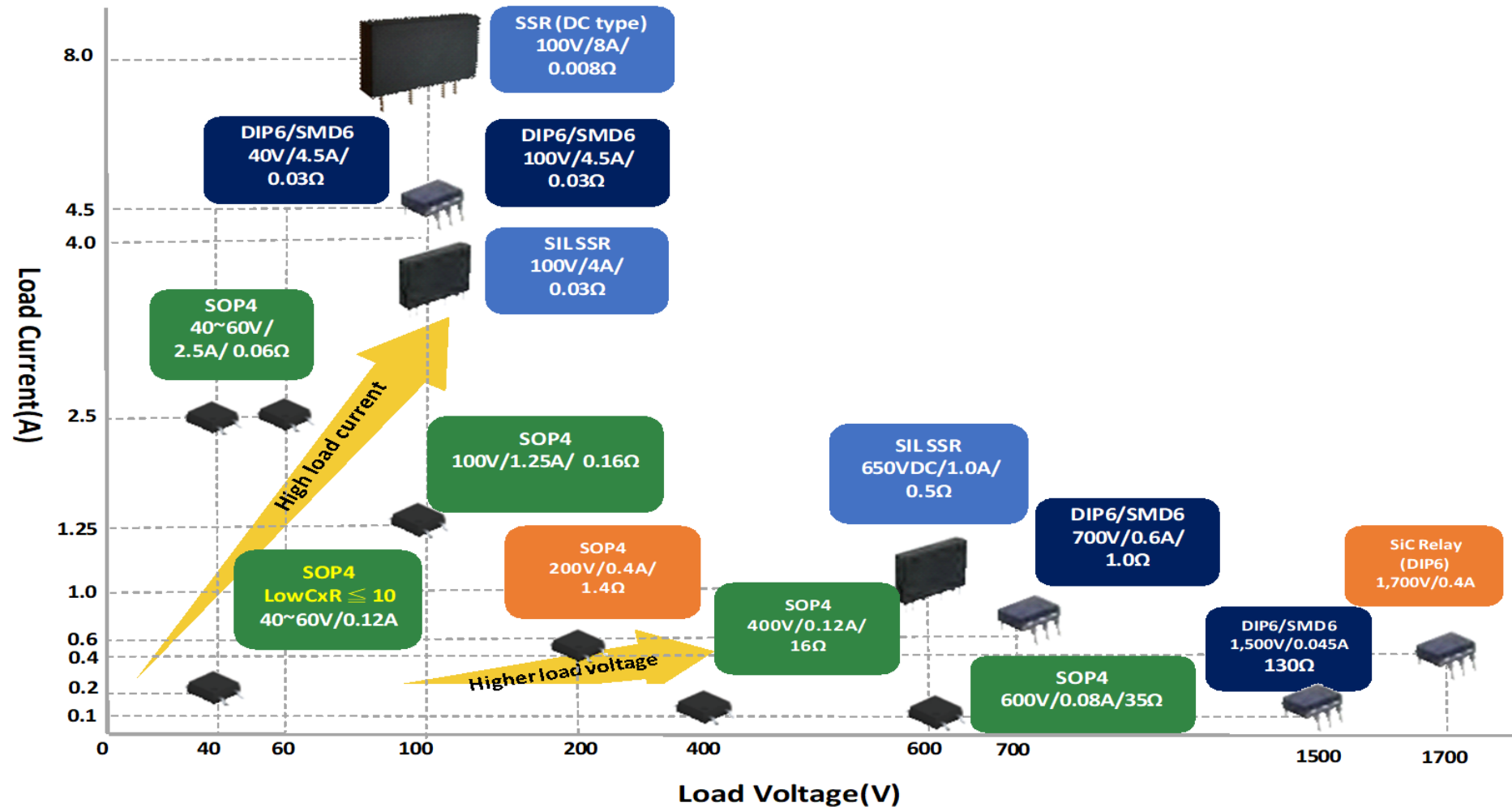
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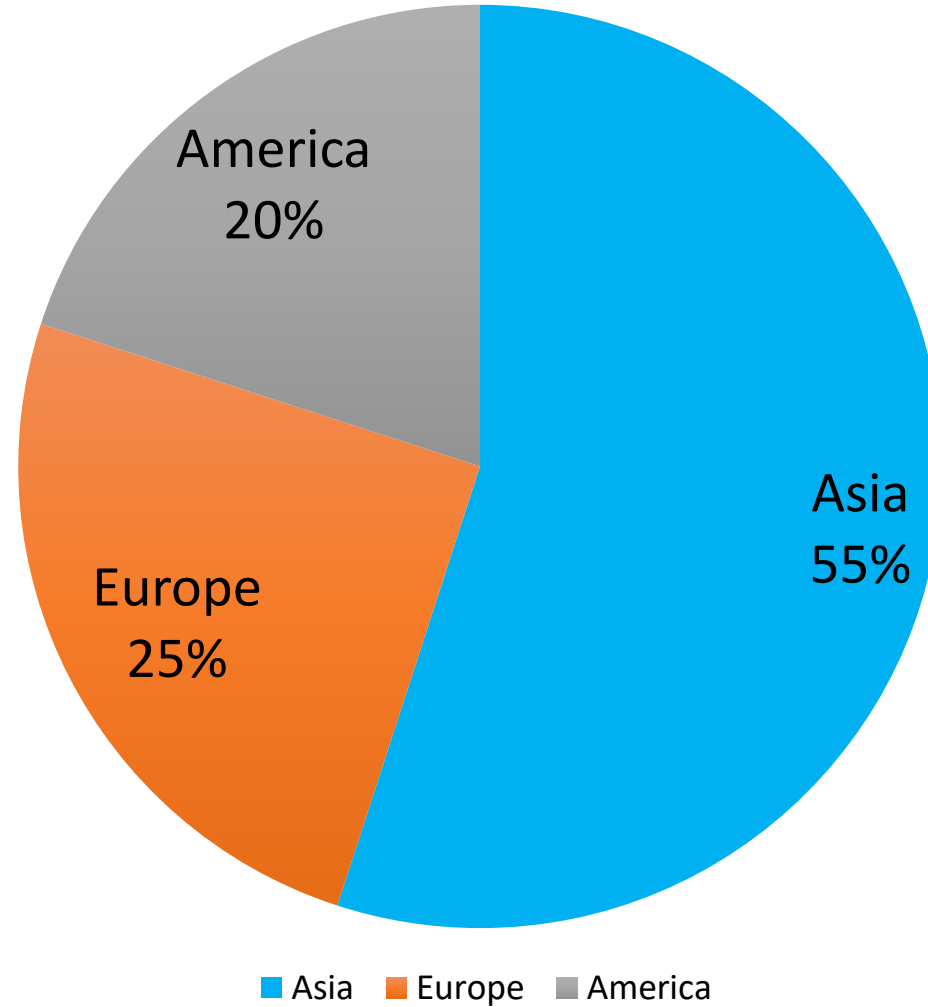
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Photo Relay Road Map



Overseas Market



Exhibition

Letex
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Products Roadmap

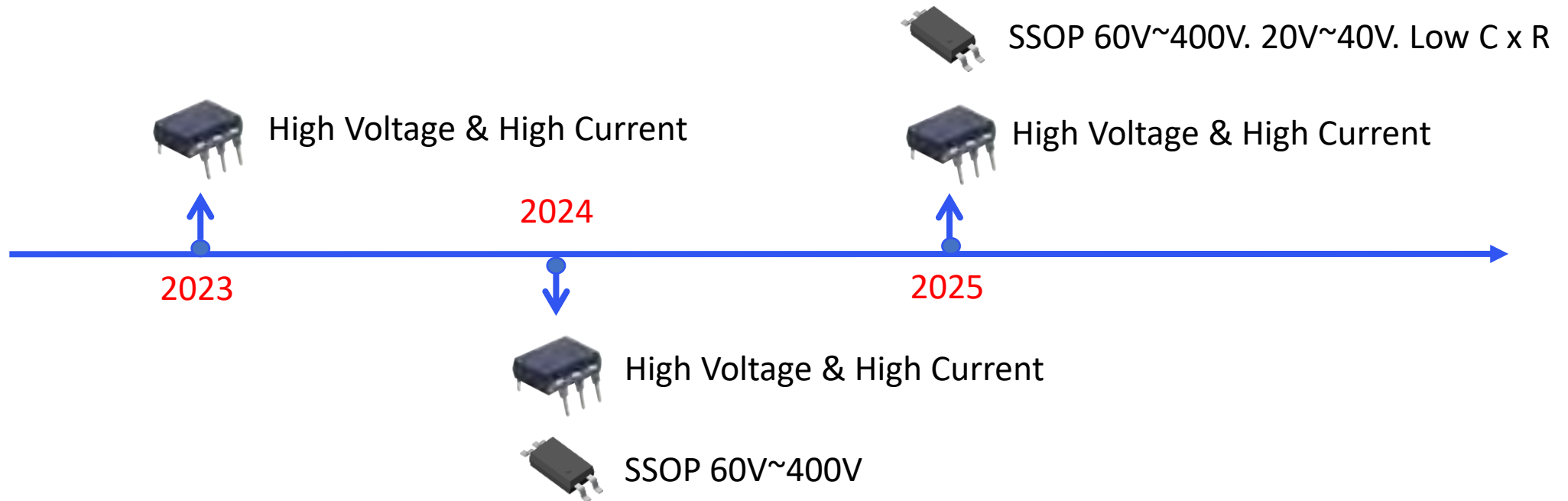


Photo MOS Relay application

1. 高壓規格(High Voltage)



2. 高耐流規格(High Current)



3. 通信信號規格(Communications Signal)



Customers and Partners

Letex

Technology Corp.

ADVANTECH

Dr.Storage

HIWIN
Motion Control and System Technology

OKITA

GEM

DEXATEK
Subsidiary of Ennoconn

NOVATEK

iBASE

GIANT

ADLINK

TASC

VIVOTEK

REALTEK

AUO

DELTA

Q&A