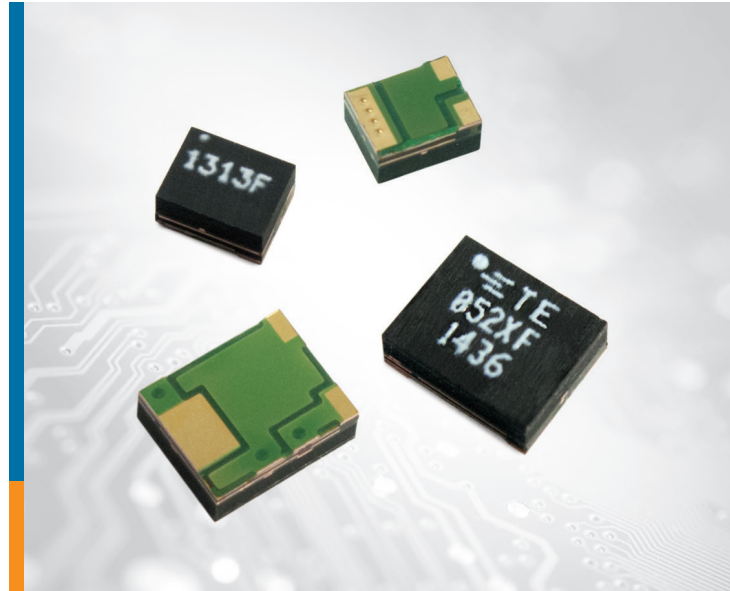


SPOTLIGHT ON POLYZEN YC/YM DEVICES

- Help enable coordinated circuit protection in one package
- Provide design flexibility with compact size



Discover new opportunities with TE Connectivity's (TE) PolyZen YC/YM devices, offering coordinated circuit protection from damage caused by ESD (electrostatic discharge) or other electrical over-stress events. Due to technology limitations, over-stress events are usually defended by multiple discrete devices. TE's PolyZen YC/YM devices combine both precision Zener diode and a resettable PolySwitch PPTC (polymer positive temperature coefficient) into one component package. Therefore, TE's device helps enable simultaneous protection against damage from overvoltage, overcurrent, reverse-bias, ESD, and overtemperature events more effectively than solutions using multiple discrete devices.

BENEFITS

- Help enable coordinated circuit protection in one component package
- Provide design flexibility with compact size
- Offer increased protection level against high-impulse overvoltage up to 150A (per IEC 61000-4-5) and ESD up to +/- 30kV (per IEC 61000-4-2)
- Comply with RoHS and halogen free standards

APPLICATIONS

- POS displays
- LED lighting systems
- Set-top boxes
- Modems
- Security devices
- GPS systems
- Mobile phones, tablets and ultrabooks
- Other DC power ports
- ABS modules
- Motors

MATERIALS

- RoHS Compliant: directive 2002/95/EC Compliant
- ELV Compliant: directive 2000/53/EC Compliant
- Pb-free
- Halogen-free

ELECTRICAL

- Voltage: from 5V to 16.4V
- Current: from 0.75A to 2.6A

MECHANICAL

Dimensions(mm):

- (4.0mmx5.0mmx1.3mm) package for YC devices
- (2.5mmx3.2mmx1.2mm) package for YM devices

STANDARDS & SPECIFICATIONS

- IEC61000-4-2 30 KV;
- IEC61000-4-5 150A 8/20us

OV6 YM/YC (Lead & Halogen Free)			
	Part Number	Part Desc	SCD No.
YM	RF3821-000	ZEN056V130A16YM	SCD28651
	RF4110-000	ZEN056V175A12YM	SCD28847
	RF4014-000	ZEN132V130A16YM	SCD28652
	RF4111-000	ZEN132V175A12YM	SCD28902
YC	RF4203-000	ZEN056V130A24YC	SCD28889
	RF4180-000	ZEN056V230A16YC	SCD28843
	RF4181-000	ZEN056V260A16YC	SCD28844
	RF4204-000	ZEN132V130A24YC	SCD28900
	RF4205-000	ZEN132V230A16YC	SCD28898
	RF4206-000	ZEN132V260A16YC	SCD28901

LEARN MORE

[PolyZen Devices Overview](#)

[PolyZen Video](#)

[Download Parts List](#)

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