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### Isolated Loop Circuit Protectors - Component

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## Isolated Loop Circuit Protectors - Component

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**YENYO TECHNOLOGY CO LTD**

E353409

189 LUNG CHIUAN ROAD  
LUNGTAN TSUEN  
JIAU-SHI SHIANG  
YI-LAN HSIEN, 262 TAIWAN

**Transient voltage surge suppressors**, Model(s) 1.5KE10, 1.5KE100, 1.5KE11, 1.5KE110, 1.5KE12, 1.5KE120, 1.5KE13, 1.5KE15, 1.5KE16, 1.5KE18, 1.5KE20, 1.5KE22, 1.5KE24, 1.5KE27, 1.5KE30, 1.5KE33, 1.5KE36, 1.5KE39, 1.5KE43, 1.5KE47, 1.5KE51, 1.5KE56, 1.5KE6.8, 1.5KE62, 1.5KE68, 1.5KE7.5, 1.5KE75, 1.5KE8.2, 1.5KE82, 1.5KE9.1, 1.5KE91, 1.5SMC10, 1.5SMC100, 1.5SMC11, 1.5SMC110, 1.5SMC12, 1.5SMC120, 1.5SMC13, 1.5SMC15, 1.5SMC16, 1.5SMC18, 1.5SMC20, 1.5SMC22, 1.5SMC24, 1.5SMC27, 1.5SMC30, 1.5SMC33, 1.5SMC36, 1.5SMC39, 1.5SMC43, 1.5SMC47, 1.5SMC56, 1.5SMC6.8, 1.5SMC62, 1.5SMC68, 1.5SMC7.5, 1.5SMC75, 1.5SMC8.2, 1.5SMC82, 1.5SMC9.1, 1.5SMC91, 3.0SMCJ10, 3.0SMCJ100, 3.0SMCJ11, 3.0SMCJ110, 3.0SMCJ12, 3.0SMCJ120, 3.0SMCJ13, 3.0SMCJ130, 3.0SMCJ14, 3.0SMCJ140, 3.0SMCJ15, 3.0SMCJ150, 3.0SMCJ16, 3.0SMCJ160, 3.0SMCJ17, 3.0SMCJ170, 3.0SMCJ18, 3.0SMCJ19, 3.0SMCJ20, 3.0SMCJ22, 3.0SMCJ24, 3.0SMCJ26, 3.0SMCJ28, 3.0SMCJ30, 3.0SMCJ33, 3.0SMCJ36, 3.0SMCJ40, 3.0SMCJ43, 3.0SMCJ45, 3.0SMCJ48, 3.0SMCJ5.0, 3.0SMCJ51, 3.0SMCJ54, 3.0SMCJ58, 3.0SMCJ6.0, 3.0SMCJ6.5, 3.0SMCJ60, 3.0SMCJ64, 3.0SMCJ7.0, 3.0SMCJ7.5, 3.0SMCJ70, 3.0SMCJ75, 3.0SMCJ78, 3.0SMCJ8.0, 3.0SMCJ8.5, 3.0SMCJ80, 3.0SMCJ85, 3.0SMCJ9.0, 3.0SMCJ90, 5KP10, 5KP100, 5KP11, 5KP110, 5KP12, 5KP120, 5KP13, 5KP130, 5KP14, 5KP140, 5KP15, 5KP150, 5KP16, 5KP160, 5KP17, 5KP170, 5KP18, 5KP180, 5KP19, 5KP190, 5KP20, 5KP22, 5KP24, 5KP26, 5KP28, 5KP30, 5KP33, 5KP36, 5KP40, 5KP43, 5KP45, 5KP48, 5KP5.0, 5KP51, 5KP54, 5KP58, 5KP6.0, 5KP6.5, 5KP60, 5KP64, 5KP7.0, 5KP7.5, 5KP70, 5KP75, 5KP78, 5KP8.0, 5KP8.5, 5KP80, 5KP85, 5KP9.0, 5KP90, P4KE10, P4KE11, P4KE12, P4KE13, P4KE15, P4KE16, P4KE18, P4KE20, P4KE22, P4KE24, P4KE27, P4KE30, P4KE33, P4KE6.8, P4KE7.5, P4KE8.2, P4KE9.1, P4SMA10, P4SMA11, P4SMA12, P4SMA13, P4SMA15, P4SMA16, P4SMA18, P4SMA20, P4SMA22, P4SMA24, P4SMA27, P4SMA30, P4SMA33, P4SMA6.8, P4SMA7.5, P4SMA8.2, P4SMA9.1, P6KE10, P6KE11, P6KE12, P6KE13, P6KE15, P6KE16, P6KE18, P6KE20, P6KE22, P6KE24, P6KE27, P6KE30, P6KE33, P6KE36, P6KE39, P6KE43, P6KE47, P6KE6.8, P6KE7.5, P6KE8.2, P6KE9.1, P6SMB10, P6SMB11, P6SMB12, P6SMB13, P6SMB15, P6SMB16, P6SMB18, P6SMB20, P6SMB22, P6SMB24, P6SMB27, P6SMB30, P6SMB33, P6SMB36, P6SMB39, P6SMB43, P6SMB47, P6SMB51, P6SMB6.8, P6SMB7.5, P6SMB8.2, P6SMB9.1, SMAJ10, SMAJ11, SMAJ12, SMAJ13, SMAJ14, SMAJ15, SMAJ16, SMAJ17, SMAJ18, SMAJ19, SMAJ20, SMAJ22, SMAJ24, SMAJ5.0, SMAJ6.0, SMAJ6.5, SMAJ7.0, SMAJ7.5, SMAJ8.0, SMAJ8.5, SMAJ9.0, SMBJ10, SMBJ11, SMBJ12, SMBJ13, SMBJ14, SMBJ15, SMBJ16, SMBJ17, SMBJ18, SMBJ19, SMBJ20, SMBJ22, SMBJ24, SMBJ26, SMBJ28, SMBJ30, SMBJ33, SMBJ36, SMBJ40, SMBJ5.0, SMBJ6.0, SMBJ6.5, SMBJ7.0, SMBJ7.5, SMBJ8.0, SMBJ8.5, SMBJ9.0, SMCJ10, SMCJ100, SMCJ11, SMCJ12, SMCJ13, SMCJ14, SMCJ15, SMCJ16, SMCJ17, SMCJ18, SMCJ19, SMCJ20, SMCJ22, SMCJ24, SMCJ26, SMCJ28, SMCJ30, SMCJ33, SMCJ36, SMCJ40, SMCJ43, SMCJ45, SMCJ48, SMCJ5.0, SMCJ51, SMCJ54, SMCJ58, SMCJ6.5, SMCJ60, SMCJ64, SMCJ7.0, SMCJ7.5, SMCJ70, SMCJ75, SMCJ78, SMCJ8.0, SMCJ8.5, SMCJ88, SMCJ9.0, SMCJ90

**TVS Diodes**, Model(s) 1.5KE10(C), 1.5KE100(C), 1.5KE11(C), 1.5KE110(C), 1.5KE12(C), 1.5KE120(C), 1.5KE13(C), 1.5KE130(C), 1.5KE15(C), 1.5KE150(C), 1.5KE16(C), 1.5KE160(C), 1.5KE170(C), 1.5KE18(C), 1.5KE180(C), 1.5KE20(C), 1.5KE200(C), 1.5KE22(C), 1.5KE220(C), 1.5KE24(C), 1.5KE250(C), 1.5KE27(C), 1.5KE30(C), 1.5KE300(C), 1.5KE33(C), 1.5KE350(C), 1.5KE36(C), 1.5KE380(C), 1.5KE39(C), 1.5KE400(C), 1.5KE43(C), 1.5KE44(C), 1.5KE47(C), 1.5KE500(C), 1.5KE51(C), 1.5KE520(C), 1.5KE56(C), 1.5KE6.8(C), 1.5KE62(C), 1.5KE68(C), 1.5KE7.5(C), 1.5KE75(C), 1.5KE8.2(C), 1.5KE82(C), 1.5KE9.1(C), 1.5KE91(C)

**TVS Diodes**, Model(s) 1.5SMC6.8(C), 1.5SMC7.5(C), 1.5SMC8.2(C), 1.5SMC9.1(C), 1.5SMC10(C), 1.5SMC11(C), 1.5SMC12(C), 1.5SMC13(C), 1.5SMC15(C), 1.5SMC16(C), 1.5SMC18(C), 1.5SMC20(C), 1.5SMC22(C), 1.5SMC24(C), 1.5SMC27(C), 1.5SMC30(C), 1.5SMC33(C), 1.5SMC36(C), 1.5SMC39(C), 1.5SMC43(C), 1.5SMC47(C), 1.5SMC51(C), 1.5SMC56(C), 1.5SMC62(C), 1.5SMC68(C), 1.5SMC75(C), 1.5SMC120(C), 1.5SMC130(C), 1.5SMC150(C), 1.5SMC160(C), 1.5SMC170(C), 1.5SMC180(C), 1.5SMC200(C), 1.5SMC220(C), 1.5SMC250(C), 1.5SMC300(C), 1.5SMC350(C), 1.5SMC380(C), 1.5SMC400(C), 1.5SMC440(C), 1.5SMC500(C), 1.5SMC520(C)

**TVS Diodes**, Model(s) 3KP10(C), 3KP100(C), 3KP11(C), 3KP110(C), 3KP12(C), 3KP120(C), 3KP13(C), 3KP130(C), 3KP14(C), 3KP15(C), 3KP150(C), 3KP16(C), 3KP160(C), 3KP17(C), 3KP170(C), 3KP18(C), 3KP180(C), 3KP190(C), 3KP20(C), 3KP200(C), 3KP210(C), 3KP22(C), 3KP220(C), 3KP24(C), 3KP26(C), 3KP28(C), 3KP30(C), 3KP33(C), 3KP36(C), 3KP40(C), 3KP43(C), 3KP45(C), 3KP48(C), 3KP5.0(C), 3KP51(C), 3KP54(C), 3KP58(C), 3KP6.0(C), 3KP6.5(C), 3KP60(C), 3KP64(C), 3KP7.0(C), 3KP7.5(C), 3KP70(C), 3KP75(C), 3KP78(C), 3KP8.0(C), 3KP8.5(C), 3KP85(C), 3KP9.0(C), 3KP90(C), 5.0SMDJ100(C), 5.0SMDJ11(C), 5.0SMDJ110(C), 5.0SMDJ12(C), 5.0SMDJ120(C), 5.0SMDJ13(C), 5.0SMDJ130(C), 5.0SMDJ14(C), 5.0SMDJ140(C), 5.0SMDJ15(C), 5.0SMDJ150(C), 5.0SMDJ16(C), 5.0SMDJ160(C), 5.0SMDJ17(C), 5.0SMDJ170(C), 5.0SMDJ18(C), 5.0SMDJ180(C), 5.0SMDJ19(C), 5.0SMDJ190(C), 5.0SMDJ20(C), 5.0SMDJ200(C), 5.0SMDJ22(C), 5.0SMDJ220(C), 5.0SMDJ24(C), 5.0SMDJ250(C), 5.0SMDJ26(C), 5.0SMDJ28(C), 5.0SMDJ30(C), 5.0SMDJ300(C), 5.0SMDJ33(C), 5.0SMDJ350(C), 5.0SMDJ36(C), 5.0SMDJ40(C), 5.0SMDJ400(C), 5.0SMDJ43(C), 5.0SMDJ440(C), 5.0SMDJ45(C), 5.0SMDJ48(C), 5.0SMDJ51(C), 5.0SMDJ54(C), 5.0SMDJ58(C), 5.0SMDJ60(C), 5.0SMDJ64(C), 5.0SMDJ70(C), 5.0SMDJ75(C), 5.0SMDJ78(C), 5.0SMDJ80(C), 5.0SMDJ85(C), 5.0SMDJ90(C), 5KP10(C), 5KP100(C), 5KP11(C), 5KP12(C), 5KP120(C), 5KP13(C), 5KP130(C), 5KP14(C), 5KP15(C), 5KP150(C), 5KP16(C), 5KP160(C), 5KP17(C), 5KP170(C), 5KP180(C), 5KP190(C), 5KP200(C), 5KP210(C), 5KP220(C), 5KP24(C), 5KP26(C), 5KP28(C), 5KP30(C), 5KP33(C), 5KP36(C), 5KP40(C), 5KP43(C), 5KP45(C), 5KP48(C), 5KP5.0(C), 5KP51(C), 5KP54(C), 5KP58(C), 5KP6.0(C), 5KP6.5(C), 5KP7.0(C), 5KP7.5(C), 5KP8.0(C), 5KP8.5(C), 5KP85(C), 5KP9.0(C), 5KP90(C), P4KE10(C), P4KE11(C), P4KE12(C), P4KE13(C), P4KE15(C), P4KE16(C), P4KE18(C), P4KE20(C), P4KE22(C), P4KE24(C), P4KE27(C), P4KE30(C), P4KE33(C), P4KE36(C), P4KE39(C), P4KE43(C), P4KE47(C), P4KE51(C), P4KE56(C), P4KE6.8(C), P4KE62(C), P4KE68(C), P4KE7.5(C), P4KE75(C), P4KE8.2(C), P4KE82(C), P4KE9.1(C), P4KE91(C)

**TVS Diodes**, Model(s) P4SMA6.8(C), P4SMA7.5(C), P4SMA8.2(C), P4SMA9.1(C), P4SMA10(C), P4SMA11(C), P4SMA12(C), P4SMA13(C), P4SMA15(C), P4SMA16(C), P4SMA18(C), P4SMA20(C), P4SMA22(C), P4SMA24(C), P4SMA27(C), P4SMA30(C), P4SMA33(C), P4SMA36(C), P4SMA39(C), P4SMA43(C), P4SMA47(C), P4SMA51(C), P4SMA56(C), P4SMA62(C), P4SMA68(C), P4SMA75(C), P4SMA82(C), P4SMA91(C), P4SMA100(C), P4SMA110(C), P4SMA120(C), P4SMA130(C), P4SMA150(C)

**TVS Diodes**, Model(s) P6KE10(C)A, P6KE100(C)A, P6KE11(C)A, P6KE110(C)A, P6KE12(C)A, P6KE120(C)A, P6KE13(C)A, P6KE130(C)A, P6KE15(C)A, P6KE150(C)A, P6KE16(C)A, P6KE160(C)A, P6KE170(C)A, P6KE18(C)A, P6KE180(C)A, P6KE20(C)A, P6KE200(C)A, P6KE22(C)A, P6KE24(C)A, P6KE27(C)A, P6KE30(C)A, P6KE33(C)A, P6KE36(C)A, P6KE39(C)A, P6KE43(C)A, P6KE47(C)A, P6KE51(C)A, P6KE56(C)A, P6KE6.8(C)A, P6KE62(C)A, P6KE68(C)A, P6KE7.5(C)A, P6KE75(C)A, P6KE8.2(C)A, P6KE82(C)A, P6KE9.1(C)A, P6KE91(C)A

**TVS Diodes**, Model(s) P6SMB6.8(C)A, P6SMB7.5(C)A, P6SMB8.2(C)A, P6SMB9.1(C)A, P6SMB10(C)A, P6SMB11(C)A, P6SMB12(C)A, P6SMB13(C)A, P6SMB15(C)A, P6SMB16(C)A, P6SMB18(C)A, P6SMB20(C)A, P6SMB22(C)A, P6SMB24(C)A, P6SMB27(C)A, P6SMB30(C)A, P6SMB33(C)A, P6SMB36(C)A, P6SMB39(C)A, P6SMB43(C)A, P6SMB47(C)A, P6SMB51(C)A, P6SMB56(C)A, P6SMB62(C)A, P6SMB68(C)A, P6SMB75(C)A, P6SMB82(C)A, P6SMB91(C)A, P6SMB100(C)A, P6SMB110(C)A (+), P6SMB120(C)A (+), P6SMB130(C)A (+), P6SMB150(C)A (+), P6SMB160(C)A (+), P6SMB170(C)A (+), P6SMB180(C)A (+), P6SMB200(C)A (+)(1)

**TVS Diodes**, Model(s) SA10(C)A, SA100(C)A, SA11(C)A, SA110(C)A, SA12(C)A, SA120(C)A, SA13(C)A, SA130(C)A, SA14(C)A, SA15(C)A, SA16(C)A, SA17(C)A, SA18(C)A, SA20(C)A, SA22(C)A, SA24(C)A, SA26(C)A, SA28(C)A, SA30(C)A, SA33(C)A, SA36(C)A, SA40(C)A, SA43(C)A, SA45(C)A, SA48(C)A, SA5.0(C)A, SA51(C)A, SA54(C)A, SA58(C)A, SA6.0(C)A, SA6.5(C)A, SA60(C)A, SA64(C)A, SA7.0(C)A, SA7.5(C)A, SA70(C)A, SA75(C)A, SA78(C)A, SA8.0(C)A, SA8.5(C)A, SA85(C)A, SA9.0(C)A, SA90(C)A

**TVS Diodes**, Model(s) SMAJ5.0(C)A, SMAJ6.0(C)A, SMAJ6.5(C)A, SMAJ7.0(C)A, SMAJ7.5(C)A, SMAJ8.0(C)A, SMAJ8.5(C)A, SMAJ9.0(C)A, SMAJ10(C)A, SMAJ11(C)A, SMAJ12(C)A, SMAJ13(C)A, SMAJ14(C)A, SMAJ15(C)A, SMAJ16(C)A, SMAJ17(C)A, SMAJ18(C)A, SMAJ20(C)A, SMAJ22(C)A, SMAJ24(C)A, SMAJ26(C)A, SMAJ28(C)A, SMAJ30(C)A, SMAJ33(C)A, SMAJ36(C)A, SMAJ40(C)A, SMAJ43(C)A, SMAJ45(C)A, SMAJ48(C)A, SMAJ51(C)A, SMAJ54(C)A, SMAJ58(C)A, SMAJ60(C)A (+), SMAJ64(C)A (+), SMAJ70(C)A (+), SMAJ75(C)A (+), SMAJ78(C)A (+), SMAJ85(C)A (+), SMAJ90(C)A (+), SMAJ100(C)A (+), SMAJ110(C)A (+), SMAJ120(C)A (+)(1)

**TVS Diodes**, Model(s) SMBJ5.0(C)A, SMBJ6.0(C)A, SMBJ6.5(C)A, SMBJ7.0(C)A, SMBJ7.5(C)A, SMBJ8.0(C)A, SMBJ8.5(C)A, SMBJ9.0(C)A, SMBJ10(C)A, SMBJ11(C)A, SMBJ12(C)A, SMBJ13(C)A, SMBJ14(C)A, SMBJ15(C)A, SMBJ16(C)A, SMBJ17(C)A, SMBJ18(C)A, SMBJ20(C)A, SMBJ22(C)A, SMBJ24(C)A, SMBJ26(C)A, SMBJ28(C)A, SMBJ30(C)A, SMBJ33(C)A, SMBJ36(C)A, SMBJ40(C)A, SMBJ43(C)A, SMBJ45(C)A, SMBJ48(C)A, SMBJ51(C)A, SMBJ54(C)A, SMBJ58(C)A, SMBJ60(C)A, SMBJ64(C)A, SMBJ70(C)A, SMBJ75(C)A, SMBJ78(C)A, SMBJ85(C)A, SMBJ90(C)A (+), SMBJ100(C)A (+), SMBJ110(C)A (+), SMBJ120(C)A (+), SMBJ130(C)A (+), SMBJ150(C)A (+), SMBJ160(C)A (+), SMBJ170(C)A (+), SMBJ180(C)A (+)(1)

**TVS Diodes**, Model(s) SMCJ5.0(C)A, SMCJ6.0(C)A, SMCJ6.5(C)A, SMCJ7.0(C)A, SMCJ7.5(C)A, SMCJ8.0(C)A, SMCJ8.5(C)A, SMCJ9.0(C)A, SMCJ10(C)A, SMCJ11(C)A, SMCJ12(C)A, SMCJ13(C)A, SMCJ14(C)A, SMCJ15(C)A, SMCJ16(C)A, SMCJ17(C)A, SMCJ18(C)A, SMCJ20(C)A, SMCJ22(C)A, SMCJ24(C)A, SMCJ26(C)A, SMCJ28(C)A, SMCJ30(C)A, SMCJ33(C)A, SMCJ36(C)A, SMCJ40(C)A, SMCJ43(C)A, SMCJ45(C)A, SMCJ48(C)A, SMCJ51(C)A, SMCJ54(C)A, SMCJ58(C)A, SMCJ60(C)A, SMCJ64(C)A, SMCJ70(C)A, SMCJ75(C)A, SMCJ78(C)A, SMCJ85(C)A, SMCJ90(C)A, SMCJ100(C)A, SMCJ110(C)A, SMCJ120(C)A, SMCJ130(C)A, SMCJ150(C)A, SMCJ160(C)A, SMCJ170(C)A, SMCJ180(C)A, SMCJ190(C)A, SMCJ200(C)A, SMCJ220(C)A, SMCJ250(C)A (+), SMCJ300(C)A (+), SMCJ350(C)A (+), SMCJ400(C)A (+), SMCJ440(C)A (+)(1)

**TVS Diodes**, Model(s) SMDJ5.0(C)A, SMDJ6.0(C)A, SMDJ6.5(C)A, SMDJ7.0(C)A, SMDJ7.5(C)A, SMDJ8.0(C)A, SMDJ8.5(C)A, SMDJ9.0(C)A, SMDJ10(C)A, SMDJ11(C)A, SMDJ12(C)A, SMDJ13(C)A, SMDJ14(C)A, SMDJ15(C)A, SMDJ16(C)A, SMDJ17(C)A, SMDJ18(C)A, SMDJ20(C)A, SMDJ22(C)A, SMDJ24(C)A, SMDJ26(C)A, SMDJ28(C)A, SMDJ30(C)A, SMDJ33(C)A, SMDJ36(C)A, SMDJ40(C)A, SMDJ43(C)A, SMDJ45(C)A, SMDJ48(C)A, SMDJ51(C)A, SMDJ54(C)A, SMDJ58(C)A, SMDJ60(C)A, SMDJ64(C)A, SMDJ70(C)A, SMDJ75(C)A, SMDJ78(C)A, SMDJ85(C)A, SMDJ90(C)A, SMDJ100(C)A, SMDJ110(C)A, SMDJ120(C)A, SMDJ130(C)A, SMDJ150(C)A, SMDJ160(C)A, SMDJ170(C)A, SMDJ180(C)A, SMDJ190(C)A, SMDJ200(C)A, SMDJ220(C)A, SMDJ250(C)A, SMDJ300(C)A, SMDJ350(C)A, SMDJ400(C)A, SMDJ440(C)A, SMDJ480(C)A, SMDJ510(C)A, SMDJ540(C)A, SMDJ580(C)A, SMDJ640(C)A, SMDJ700(C)A, SMDJ750(C)A, SMDJ780(C)A, SMDJ850(C)A, SMDJ900(C)A, SMDJ1000(C)A, SMDJ1100(C)A, SMDJ1200(C)A, SMDJ1300(C)A, SMDJ1500(C)A, SMDJ1600(C)A, SMDJ1700(C)A, SMDJ1800(C)A, SMDJ1900(C)A, SMDJ2000(C)A, SMDJ2200(C)A, SMDJ2500(C)A, SMDJ3000(C)A, SMDJ3500(C)A, SMDJ4000(C)A, SMDJ4400(C)A(1)


**TVS Diodes**, Model(s) SMF5.0(C)A, SMF6.0(C)A, SMF6.5(C)A, SMF7.0(C)A, SMF7.5(C)A, SMF8.0(C)A, SMF8.5(C)A, SMF9.0(C)A, SMF10(C)A, SMF11(C)A, SMF12(C)A, SMF13(C)A, SMF14(C)A, SMF15(C)A, SMF16(C)A, SMF17(C)A, SMF18(C)A, SMF20(C)A, SMF22(C)A, SMF24(C)A, SMF26(C)A, SMF28(C)A, SMF30(C)A

(+) - Certain components per Series may experience a short circuit condition overvoltage breakdown levels outside of their rated range if the components are placed in a circuit that is exposed to lightning events having a peak current of 10A or greater (ie: 10 x 1000 us waveform, 10 A peak).

(1) - May be followed by the suffix A or CA

(C) - The designation with letter "C" represents bi-electrical type; without letter "C" represents uni-electrical type.

Note - All models may be followed by C, A or CA.

Marking: Company name, model designation, and the Recognized Component Mark, 

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