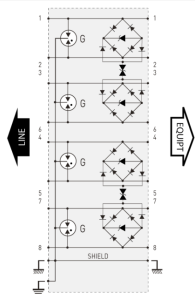
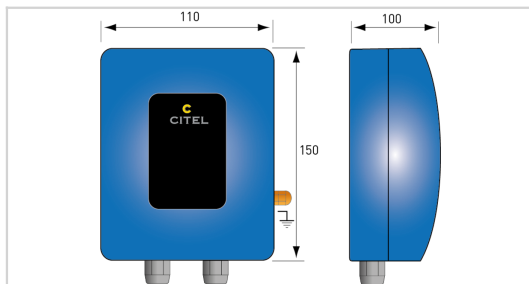


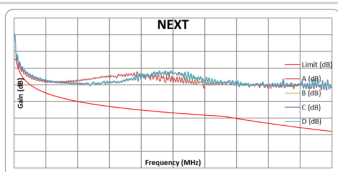
CRMJ8-POE-C6A



- ✦ POE++ Compatible (IEEE 802.3bt) -10Gb (5-100m) with Cat6A S/FTP cabling
- ✦ RJ45 connectors
- ✦ Outdoor applications, IP66 (NEMA 4/4X)
- ✦ Metallic enclosure
- ✦ Conforms to IEC/EN 61643-21
- ✦ SPD categories D1, C3, C2, C1



G: 3-electrode GDT



**Electrical Characteristics**

|  |            |   |
|--|------------|---|
| Network  |            | 10Gb/s on Cat6A S/FTP cabling             |
| Protection modes (network)   |            | CM / DM (common mode / differential mode) |
| Protection modes (POE)   |            | CM / DM (common mode / differential mode) |
| Transmission standard  |            | IEEE 802.3bt                              |
| Lightning Protection Zones (LPZ)   |            | 0 - 3                                     |
| Max. DC operating voltage  | Uc         | 8 Vdc                                     |
| Max. operating voltage (POE)   | Uc         | 60 Vdc                                    |
| Max. frequency   | f max.     | 500 MHz                                   |
| Max. data rate   |            | 10 Gbps                                   |
| Max. load current @25°C  | IL         | 2 A                                       |
| Max. POE power (4PPOE)   |            | 90 W                                      |
| Max. discharge current max. withstand @ 8/20 µs, X-C (Line/Earth)                        | Imax       | 2 kA                                      |
| Max. discharge current max. withstand @ 8/20 µs, 8X-C (1&2+3&6+4&5+7&8 to Earth)         | Imax Total | 16 kA                                     |
| Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)                  | Up         | < 20 V                                    |
| Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)                 | Up         | < 700 V                                   |
| Protection Level C3 (10/1000µs), 300 applications @ 10A, (Pair-Pair, POE)                | Up         | < 70 V                                    |
| Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth)                          | Iimp       | 500 A                                     |
| Nominal discharge current C1 (8/20µs), 300 applications X-X (Line/Line)                  | In         | 1kV / 500A                                |
| Nominal discharge current C1 (1.2/50µs / 8/20µs), 300 applications, X-C (Pair-Pair, POE) | In         | 200 V / 100 A                             |
| Nominal discharge current C2 (8/20µs), 10 applications X-C (Line/Earth)                  | In         | 4 kV / 2 kA                               |
| Line resistance (± 10%)  |            | ~ 0 ohms                                  |
| Capacitance @1MHz, X-C (Line/Earth)  | C          | < 5 pF                                    |

**Mechanical Characteristics**

|                           |    |   |
|---------------------------|----|---|
| Technology                |    | GDT+TVS diode                                       |
| SPD configuration         |    | 8 wires+shielded                                    |
| Connection to Network     |    | RJ45 shielded connectors Female input/output        |
| Cable glands              |    | Plastic/Rubber                                      |
| Format                    |    | Metallic Enclosure with connectors input/output     |
| Mounting                  |    | Wall  |
| Accessory(s) provided     |    | screw + nut + cable shoe                            |
| Housing material          |    | Metallic  |
| Operating temperature     | Tu | -40/+85°C   |
| Ingress Protection rating |    | IP66 (NEMA 4/4X)                                    |
| Failsafe mode             |    | Transmission cut-off - Fault mode 2 (short-circuit) |
| Pinout                    |    | (1-2)(3-6)(4-5)(7-8)                                |
| Dimensions                |    | See diagram   |
| Weight                    |    | 0.5 kg / 1.1 lbs                                    |

**Standards**

|                      |  |  |
|----------------------|--|--|
| Standards compliance |  | IEC 61643-21 / EN 61643-21 / UL497B / IEEE 802.3af/3at/3bt, ANSI/TIA-568-c.1 |
| UL Category          |  | QVGQ - Isolated Loop Circuit Protectors                                      |
| UL File Number       |  | E184939  |
| Certification        |  | UL 497B  |

**Part number**

581542

