

Medical  
electric  
equipmentPower  
Factor  
CorrectionWorld  
wideSafety  
Approvals

EMI

Inrush  
current  
limiting

OCP



OVP

Remote  
ON/OFFParallel  
Operation

1U

# G-series



## ■ Features

ROHS Compliant (pb free)

Meets or exceeds IEEE802.3 standards including 350uH Min OCL with 8mADC

High performance for EMI suppression , Crosstalk, Return loss and Consistent Electrical

Minimun 1500Vrms isalation per IEEE802.3 requirement

Minimize PCB space and Simplify PCB Layout

Less magnetic components to be placed on PCB, higher reliability and yields

OPERATING TEMPERATURE: 0°C~+70°C

STORAGE TEMPERATURE: -40°C~+85°C

## ■ ROHS REACH marking

## ■ CE FCC marking



### 3. Specifications

| Electrical Specification@25° C Operating Temperature 0 to +70° C |                                  |                                    |                   |            |                    |           |            |
|------------------------------------------------------------------|----------------------------------|------------------------------------|-------------------|------------|--------------------|-----------|------------|
| Part NO                                                          | OCL primary@100KHz<br>0.1Vms 8mA | Leakage<br>primary@10KHz<br>0.1Vms | LED Specification |            |                    |           |            |
|                                                                  |                                  |                                    | Standard LED      | Wavelength | Forward V(Min/Max) | Forward A | Type       |
| GTA14DRJ02                                                       | 350uH Min                        | 0.5uH max                          | Green             | 568nm      | 1.8v/2.8v          | 20mA      | squareness |
|                                                                  |                                  |                                    | Yellow            | 585nm      | 1.8v/2.8v          | 20mA      | squareness |

| Electrical Specification@25° C Operating Temperature 0 to +70° C |                                    |                        |     |     |        |                 |        |                      |                                        |
|------------------------------------------------------------------|------------------------------------|------------------------|-----|-----|--------|-----------------|--------|----------------------|----------------------------------------|
| Part NO                                                          | Insertion loss(dB max)<br>1-100MHz | Return Loss(db min)MHz |     |     |        | DMRR(dB min)MHz |        | Crosstalk(dB min)MHz | Isolation<br>Voltage(Chip side to UTP) |
|                                                                  |                                    | 1-30                   | 40  | 50  | 60-100 | 1-60            | 60-100 | 1-100                |                                        |
| GTA14DRJ02                                                       | -1.2                               | -18                    | -18 | -16 | -12    | -50             | -50    | -30                  | 1500V/AC                               |

### 4.Schematic&LED

