

DGA FF TV (909 703)

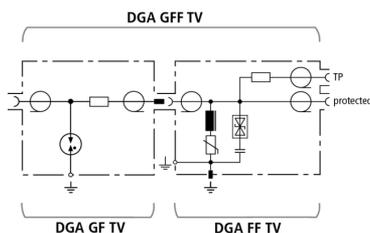
Frequency range for analogue and digital TV, also suitable for reverse LAN channels

Arresters of type FF and GFF with integrated measuring output

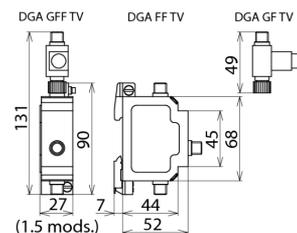
Three types for adapted use in conformity with the lightning protection zones concept at the boundaries from $0_A - 2$ (combined lightning current and surge arresters of type GFF), $0_A - 1$ (lightning current arresters of type GF) and $1 - 2$ (surge arresters of type FF)



Figure without obligation



Basic circuit diagram DGA GFF TV consisting of DGA GF TV and DGA FF TV



Dimension drawing DGA GFF TV – consisting of DGA GF TV and DGA FF TV

DGA ... TV are arresters with F socket for remote supply for 75 ohm satellite and broadband cable systems. They fulfil the high shielding requirements of class A according to EN 50083-2. They allow space-saving installation into all common TV and satellite applications and are available as lightning current arresters, surge arresters as well as combined lightning current and surge arresters with integrated measuring output for testing installations.

| Type Part No. | DGA FF TV 909 703 |
|---|---|
| SPD class | TYPE P1 |
| Max. continuous operating d.c. voltage (U_C) | 24 V |
| Nominal current (I_L) | 2 A |
| D1 Lightning impulse current (10/350 μ s) (I_{imp}) | 0.2 kA |
| C2 Nominal discharge current (8/20 μ s) (I_n) | 1.5 kA |
| Voltage protection level for I_{imp} D1 (U_P) | ≤ 230 V |
| Voltage protection level for I_n C2 (U_P) | ≤ 300 V |
| Voltage protection level at 1 kV/ μ s C3 (U_P) | ≤ 60 V |
| Frequency range | d.c., 5 - 3000 MHz |
| Insertion loss 5 - 862 MHz typ. | 1.2 dB |
| Insertion loss 862 - 2400 MHz typ. | 1.4 dB dB |
| Insertion loss 2400 - 3000 MHz typ. | 2 dB |
| Return loss | ≥ 14 dB |
| Return loss (47 - 2400 MHz) | ≥ 18 dB (-1.5 dB/octave) |
| Return loss test socket (5 - 47 MHz) | ≥ 18 dB |
| Test socket connection loss | 20 dB |
| Shield attenuation 5 - 300 MHz | ≥ 85 dB |
| Shield attenuation 300 - 470 MHz | ≥ 80 dB |
| Shield attenuation 470 - 1000 MHz | ≥ 75 dB |
| Shield attenuation 1000 - 2400 MHz | ≥ 55 dB |
| Surge impedance (Z) | 75 ohms |
| Operating temperature range | -40°C...+80°C |
| Degree of protection (if lines are connected) | IP 30 |
| For mounting on | 35 mm DIN rails acc. to EN 60715 or wall mounting |
| Connection (input/output) | F socket / F socket |
| Earthing via | DIN rail or screw connection |
| Enclosure material | metal |
| Colour | bare surface |
| Test standards | IEC 61643-21 / EN 61643-21 |
| Approvals | GOST |
| Accessories | 2 x F plugs |
| PU | 1 pc(s) |
| Weight | 233,000 g |
| Customs tariff number | 85363090 |
| GTIN | 4013364085664 |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.