



Dimension drawing DGA GFF TV Combination of DGA GF TV (top) and DGA FF TV (bottom)

Schematic diagram of the protective circuit of DGA FF TV consisting of lightning current arrester DGA GF TV (left) and terminal equipment protection DGA FF TV (right).

- Frequency range for analogue and digital TV, suitable for reverse LAN channels
- Integrated measuring output in SPDs types FF and GFF
- 3 types for adapted use according to the lightning protection zones concept at boundaries 0<sub>A</sub> 2 (combined lightning current and surge arresters type GFF), 0<sub>A</sub> 1 (lightning current arresters type GF) and 1 2 (surge arresters type FF)

DGA ... TV are SPDs which are suitable for remote supply for 75 Ohm satellite and cable TV systems. They allow for 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.

DGA GFF TV	
SPD Class	type1+ -type3P1
Max. continuous dc voltage [U <sub>C</sub> ]	24 V
Nominal current [I <sub>N</sub> ]	2 A
D1 Lightning impulse current (10/350) [I <sub>imp</sub> ]	2.5 kA
C2 Nominal discharge current (8/20) [I <sub>n</sub> ]	10 kA
Voltage protection level at I <sub>imp</sub> D1 [U <sub>p</sub> ]	<= 230 V
Voltage protection level at I <sub>n</sub> C2 [U <sub>p</sub> ]	<= 300 V
Frequency range	dc, 5-2400 MHz
Insertion loss 5 - 862 MHz	1.7 dB
Insertion loss 862 - 2400 MHz	1.9 dB
Return loss input (5 - 8 MHz)	>= 10 dB
Return loss output (8 - 47 MHz)	>= 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
Impedance [Z]	75 Ohm
Operating temperature range	-20°C...+55°C
Degree of protection	IP 30
Mounting on	35 mm DIN rail 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
Test standards	IEC 61643-21
Accessories	2 x F-plug

Ordering information	
Type	DGA GFF TV
Part No.	909 705
Packing unit	1 pcs.

Change in form and technology, with masses, weights and materials we reserve ourselves in the sense of the progress of the technology. The illustrations are noncommittal.