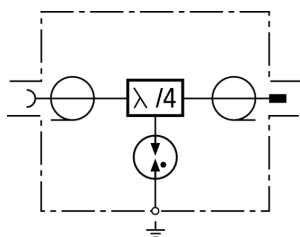


## DGA LG 7 16 MFA (929 146)

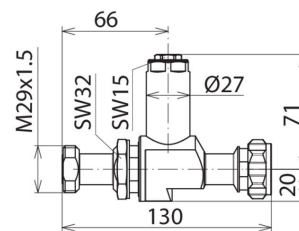
- For multi-frequency applications with d.c. power supply
- Maximum transmission and PIM performance
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A -1$  and higher



Figure without obligation



Basic circuit diagram DGA LG 7 16 MFA



Quarter-wave arrester with spark gap for remote supply protects multi-frequency applications (multi-carrier systems) due to minimum passive intermodulation. Broadband device for all 4+3G and LTE services.

Type	DGA LG 7 16 MFA
Part No.	929 146
SPD class	<b>TYPE1</b>
Max. continuous operating voltage (d.c.) ( $U_c$ )	65 V
Nominal current ( $I_L$ )	13 A
Max. transmission capacity	1500 W
D1 Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	5 kA
C2 Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA
Voltage protection level for $I_n$ C2 ( $U_p$ )	$\leq 800$ V
Frequency range	690 MHz-2.7 GHz
Insertion loss	$\leq 0.1$ dB
Return loss	$\geq 28$ dB
Characteristic impedance (Z)	50 ohms
Intermodulation	typ. -160 dBc @ 2*43 dBm
Operating temperature range ( $T_U$ )	-40 °C ... +85 °C
Degree of protection	IP 67
Connection	7/16 socket / 7/16 plug
Earthing via	bushing ( $\varnothing 29.5$ mm) or M8 earthing screw
Enclosure material	brass, refined surface with trimetal plating
Colour	bare surface
Exchangeable gas discharge tube	yes
Test standards	IEC 61643-21 / EN 61643-21
Weight	471 g
Customs tariff number	85366910
GTIN	4013364157156
PU	1 Stk

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.