



GDLF Series Right Angle Modular Jack with Ferrite

Features





- Shielding Options Available
- Ferrite Block for High Frequency Noise Filtering

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- Grounding Flaps Available
- Snap-In Retention Tabs
- Gold Plated Contacts
- CSA/NRTL Certified File No. LR78160

Performance Specifications

Materials and Finish

R

Housing Material PBT Thermoplastic, UL94V-0, Black Color

Shield Material Copper Alloy, Nickel Plated

Contact Material Phosphor Bronze

Contact Plating Standard - 50u" Gold over Nickel on Contacts Selective Gold Plating on Contact Area.

Electrical Characteristics

Insulation Resistance 500 Megohms Min

Dielectric Withstanding Voltage 1000V AC for 1 Minute

Contact Resistance 20 Milliohms Max

Current Rating 1.5 Amps

MODULAR JACKS AND PLUGS

GDLF Series

Ordering Information

GDLF	– S	- 8	8 –	50		
Series	Shield	Number of	Number of	Plating		
	Options	Positions	Contacts	Options		
Series						
GDLF - Right Angle Modular Jack with Ferrite						
Shield Options						
S - Short Shield with Flat Grounding Flaps						
S3 - Extended Shield with Flat Grounding Flaps						
SA - Short Shield with 20° Angled Grounding Flaps						
S3A - Extended Shield with 20° Angled Grounding Flaps						
Number of Positions						
6 - 6 Opening (Only Available with Shield Option "S")						
8 - 8 Opening						
Number of Contacts						
4 - 4 Contacts						
6 - 6 Contacts						
8 - 8 Contacts						
Plating						

50 - 50µ" Gold Plating

Ferrite Specifications

Test Freq.	Impedance	Test Freq.	Impedance
1 Mhz	1 ohm	50 Mhz	16 ohms
10 Mhz	7 ohms	100Mhz	21 ohms
30 Mhz	13 ohms		

GDLF Series Dimensions

Dimensions in mm

GDLF-S-66-50, GDLF-S-64-50









GDLF Series Dimensions

Dimensions in mm

GDLF-S-88-50







17.78

GDLF-SA-88-50





MODULAR JACKS AND PLUGS

GDLF Series

GDLF Series Dimensions

Dimensions in mm

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5.25-

2.54

GDLF-S3-88-50

3.05

8.89





GDLF-S3A-88-50









KYCON continues its leadership in Ferrite D-Subs by offering a complete line of styles, sizes, and pin configurations.

Features:

- Applications include Computer Peripherals, Data Processing, Telecommunications, Industrial Controls, and Local Area Networks
- High performance ferrite filter with superior high frequency attenuation characteristics
- Minimal effect on fundamental waveforms
- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space than a standard D-Sub
- No need to redesign board layout to accommodate separate filter placement
- UL Recognized File No. E140125



KYCON Tech Support: **1-888-KYCON-22** or E-mail: sales@kycon.com

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FERRITE D-SUBMINIATURE CONNECTORS

Directory

Right Angle		
KF22 - 0.318" footprint	28	11222222
KF44 - 0.590" footprint	<i>2</i> 9	\$27777727 \$7777727
KF66 - High Density 0.350" footprint	30	
KF42 - Dual Port	31	

32

33

34

Vertical

KF85 - Low Profile KF86 - High Density KF88 - High Profile

Technical Information:

Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is most effective at attenuating frequencies above 30MHz.

Attenuation =20
$$\log_{10} \frac{[Z_s + Z_r + Z_l]}{[Z_s + Z_l]} dB$$

Where Z_s = Source Impedance

 Z_F = Ferrite Impedance

 Z_{L} = Load Impedance

With the above impedance values calculated at the interference frequency.



The above chart is typical performance data for a 2.8mm thick ferrite plate at room temperature. Impedance will be reduced by increased temperature (down approx. 15% at 100°C at 25MHz) and by increased DC bias (down approx. 15% at 1 amp at 25MHz). Also, impedance varies with ferrite thickness. Please contact our technical support for data specific to your application.