



## KMDGX Series Right Angle Mini-DIN

## **Features**

- PC99 Colors Available
- Shielded Options Available for Good Conductivity, Grounding and EMI/RFI Protection
- Mates with Standard and Snap and Lock Plugs
- Visual and Mechanical Polarization for Plug Insertion
- Reflow Compatible Design Available
- · Gold Plated Contacts

# Performance Specifications Materials and Finish

Body: PBT Thermoplastic, Black, Purple, or Green

Color, UL 94V-0 Rated

Contacts: Copper Alloy, Gold Plated

Shield: Brass, Nickel Plated

### **Mechanical Characteristics**

Insertion Force: 4.5 kg Max. Extraction Force: 0.4 kg - 3.5 kg Durability: 500 Cycles Min.

#### **Electrical Characteristics**

Rated Voltage: 12V DC Rated Current: 2A

Insulation Resistance: 500 Megohms Min. at 500V DC

**Contact Resistance:** 

Before Durability Test: Plug to Terminals: 30 milliohms Max.

After Durability Test: Plug to Terminals: 60 milliohms Max.

Dielectric Withstanding Voltage: 500V RMS AC for 1 Minute

Operating Temperature: -25°C to +85°C

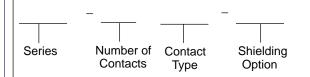
## MINI-DINs / CIRCULAR DINs

## **KMDGX Series**

| Documentation & Ordering Information |  |  |  |
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## Kycon Part #

## Part Number Builder



#### **Series**

KMDGX - Right Angle PCB Mount Mini-DIN

#### **Number of Contacts**

3, 4, 5, 6, 7, 8, 9, (10 Available only with BS option)

#### **Contact Type**

S - Receptacle

## **Shielding Option**

N - Non-Shielded

AS - Sides and Back Shielded

BS - Fully Shielded

#### **Plating Option**

Standard - Gold flash over nickel on contacts.

Tin overnickel on soldertails

#### **KMDGX Series Dimensions**

Dimensions in mm

-BS Option (Fully Shielded)

