

# Miniature Coaxial Connectors for Piezoelectric Sensors

C25 series / C29 series / TMG series

- C25, C29 and TMG series are miniature coaxial connectors. Superior in vibration, impact, and noise, ideal for signal transmission for piezoelectric sensors.

## ■ Specifications

Contents / Series	C25 Series	C29 Series	TMG Series
Connections	#10-32UNF-2A,2B	JIS M3 (P=0.5)	JIS M2 (P=0.4)
Withstanding Voltage	AC500V RMS	AC250V RMS	AC200V RMS
Insulation Resistance	DC250V 1000M Ω min.	DC100V 5000M Ω min.	DC50V 1000M Ω min.
Contact Resistance	5m Ω Max.	6m Ω Max.	5m Ω Max.
Frequency Range	0 - 200MHz		
Normal Impedance	Non-constant		
Temperature Range	-50°C to +150°C or -25°C to +85°C		
Shell Material / Finish	Brass or Titanium / Nickel or Gold over Nickel		
Contact Material / Finish	Brass or Beryllium Copper / Gold Nickel		
Insulator Material	PTFE	PTFE or TI Polymer	
Gasket Material	Chloroprene or Silicone Rubber		

## ■ C25 series ■



### ● Cable Plug

Part No.	Cable	OD.max. (mm)	Length max.(mm)
C25-102P	RG-174/U,188A/U,316/U	6.0	23.0
C25-111P	DFL020,DFL021(Low Noise)	6.0	23.0
C25-144P	DFL005(Low Noise)	6.0	23.0
C29-104P		3.6	11.0
TMG108-P		2.6	6.9

## ■ C29 series ■



### ● Panel Mount Receptacle

Part No.	Configuration	
C25-103BR	Bulkhead Mount Jack Receptacle	#10-32UNF-2A
C25-104BR		M5(P=0.5)
C29-113R		M3(P=0.5)
C25-120R	Straight Jack for Printed Circuit Boards	
C25-117LR	Right Angle Jack Printed Circuit Boards	
C29-103R	Panel Feedthrough Jack Receptacle	
TMG107-R		

## ■ TMG series ■



## ■ MR01 series / Multi-Pin Micro Connectors ■

- MR01 series connectors are very small multi-pin circular connectors designed especially for pickups applied to a variety of miniature sensors. These connectors are built compact, light, and vibration- and impact-resistant to be applicable to sensors that are increasing performance and growing smaller based on modern technologies.

- Small and light, giving the least load to a sensor. ● Plugs are provided as part of a cable assembly.

## ■ Specifications

Contents / Series	MR01 Series
Voltage Rating	AC50V Max.
Current Rating	0.5A Max.
Withstanding Voltage	AC150V RMS
Insulation Resistance	DC50V 1000M Ω min.
Contact Resistance	30mΩ Max.
Vibration	10 to 2000Hz 10G
Shock	500G
Temperature Range	-25°C to +85°C
Shell Material / Finish	Brass or Stainless Steel / Nickel or Passivating
Contact Material / Finish	Phosphor Bronze or Beryllium Copper / Gold over Nickel
Insulator Material	PPS

