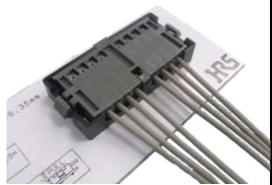


## **MRF18 Series**

### **Vertical Mating, Non-Magnetic** 8-channel Coaxial Connector

#### Features

- 1. Non-Magnetic coaxial connector
- 2. Small Size & Light Weight
- 3. Vertical mate, horizontal cable out
- 4. High lock strength & cable pull resistance
- 5. Easy cable termination with soldering both center and outer conductors
- 6. Flow mounting or manual soldering for PCB mounting
- 7. Applicable cable ranges from  $\phi$  1.13 to 1.8 mm
- 8. RoHS compliant



### **Small Size & Light Weight**

# 4.6 grams (cable is not included)

Cable Outer Dia.: *ϕ* 1.13 to 1.8 mm

Cable Pull Force: 70 N/line

(Actual measured value with RG-178B/U cable )

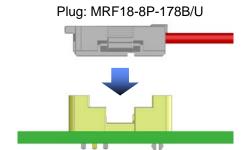
Lock Strength: 28 N

(Actual measured value when cables are pulled up)

### **Specifications**

Characteristic Impedance	50 Ω
Operating Temperature Range	-40 °C to + 125 °C (includes temperature rise caused by current flow)
V.S.W.R.	1.3 Max. from DC to 1 GHz 1.4 Max. from 1 to 2 GHz
Contact Resistance	Center: 35 m $\Omega$ Max. Outer: 20 m $\Omega$ Max.
Insulation Resistance	500 MΩ Min. (DC100 V)
Withstanding Voltage	AC 300 V for 1 minute
Durability	30 times

### **Vertical Mate Allows** Layout on PCB Center



Receptacle: MRF18-8R-PC

### **High Frequency Characteristics**

Data at [Port 1]

