



MIL-DTL-26482 Series Small Circular Connector With Environment High Density Resistance

Material

- Shell : aluminum alloy
- Finish : olive drab cadmium (W), black anodised plating (F)
black zinc nickel (K),
Nickel(T)
- Backshells: Aluminum alloy
- Cabelglands:Thermoplastic
- Coupling ring: Aluminum alloy
- Spring washer : Spring stainless steel
- Insert :Elastomeric soft neoprene

Mechanical Performance

- Vibration resistance : 10–2000Hz, acceleration 15g test produce per EIA–364–28
- Thermal shock : 5 cycles 30min. from –55°C to 125°C per EIA–364–32
- Shock : 50g 11ms period per EIA–364–27
- Durability : 500 mating cycles

Electrical Performance

- Dielectric Strength (Vr.m.s) (Inserted Condition)

Rated Condition	M	N	I	II
seal level	300	200	1500	2300
21000m	–	–	–	–

- Contact Resistance (to lead silver conductor) & Rated Current

Contact No.	Insertion Diameter	Contact Resistance mΩ	Rated Current A
#22D	φ 0.762	4.6	5
#20	φ 1.02	4	7.5
#16	φ 1.588	3	13
#12	φ 2.39	1.8	23
#10	φ 3.18	1.0	33
#8	φ 3.61	0.6	46
#6	φ 4.52	0.5	60
#4	φ 5.72	0.3	80

Electrical Performance

- Insulation Resistance : $\geq 5000M\Omega$ (500V DC)
- Shielding : 70dB to 5MHz -40dB to 100MHz

Environment Performance

- Temperature Range : $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Salt Spray : 500h (F, K) 48h (W,T)
- Sealing: Global IP65
- Fluid Resistance : hydraulic oil, refrigerating fluid, and other 12 solvents