

M26500

### **Performance Specifications**

#### Operating Temperature Range

Class R: -55°C to +200°C (-67°F to +392°F)

Class E\*: -55°C to +200°C (-67°F to +392°F)

#### Material and Finish Data (Class)

R – aluminum shell, black anodized finish

E\*– stainless steel shell, passivated

#### Corrosion Resistance

Classes R and E\* withstand 48-hour salt spray.

#### Environmental Seal

Wired, mated connectors shall meet the altitude-immersion test specified by MIL-DTL-26500.

#### Fluid Resistance

Unmated connectors resist specified immersions in MIL-PRF-5606 (hydraulic fluid), MIL-PRF-23699 (lubricating oil), MIL-PRF-7808 (lubricating oil), MIL-DTL-5624 (JP-5) and glycol.

#### Durability

Bayonet Coupling – 500 cycles

Threaded Coupling – 200 cycles

#### Shock and Vibration Requirements

Wired, mated connectors shall not be damaged, coupling ring shall not loosen, and there shall be no interruption of electrical continuity longer than one microsecond when subjected to the following:

#### Shock

Mated connectors withstand a pulse of approximate half sine wave of 100 G magnitude with duration of 6 milliseconds applied in each of the three major axes.

## Vibration

Mated connectors withstand the following vibration levels:

- Vibration per EIA-364, test procedure 28 conducted at a low temperature ambient of -55°C (-67°F) and high ambient of +200°C (392°F).

## Shell-to-Shell Conductivity

- Class R is non-conductive.
- Maximum potential drop shall not exceed 200 millivolts for class E\*.

## Military standard P/N

MS24266   R   18   T   8   P   Y  
(A)   (B)   (C)   (D)   (E)   (F)   (G)

### (A) Military designation

MS24264 – Square-flange receptacle

MS24265 – Single-hole mounting receptacle

MS24266 – Straight plug

### (B) Environment class

R – Meets MIL-C-26500

### (C) Shell size

8, 10, 12, 14, 16, 18, 20, 22 or 24

### (D) Coupling style

T – Threaded

B – Bayonet

### (E) Insert arrangements

### (F) Contact style

P – Pin

S – Socket

### (G) Alternate shell positions

N, 6, 7, 8, 9, Y