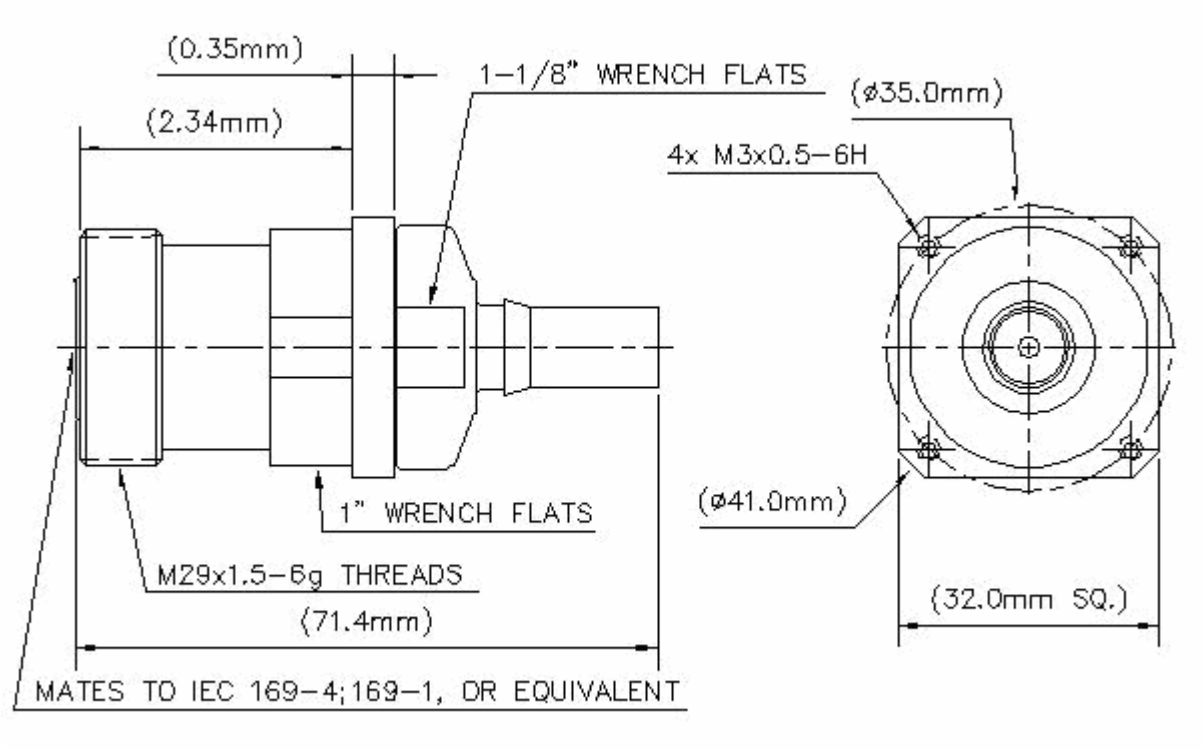
HELIAX®

Connector

PRODUCT SPECIFICATION

F1PDF-ABPM

7-16 DIN Female Panel Mount Sureflex Connector



CHARACTERISTICS

Electrical

Recommended maximum operating frequency, GHz	7.50
3rd order IM, product typical @ 910 MHz, -dBm (Method)	-110.00
Insulation resistance, min, Megaohms	5,000.00
Shielding effectiveness, dB	-130.00
Connector impedance, ohms	50.00
Cable impedance, ohms	50.00
Insertion loss, max, dB	0.05 $\sqrt{\text{frequency(GHz)}}$

Connector Return Loss, dB

Start		Stop	Return Loss
0.82	-	0.96 GHz	36.00
1.71	-	1.88 GHz	34.00
1.85	-	1.99 GHz	30.00
1.91	-	2.20 GHz	30.00
2.20	-	2.70 GHz	27.00

Mechanical

Inner attachment method	Solder
Outer attachment method	Solder

Environmental

Moisture resistance test	IEC 529, IP68
Mechanical shock test	MIL-STD-202F, Method 213B, Test Condition C

Customer Support Center:
From North America: 1-800-255-1479
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Thermal shock test	MIL-STD-202, Method 107, Cond A-1, Low Temp -55°C
Vibration test	MIL-STD-202F, Method 204D, Test Condition B
Operating temperature range, °C	-40.00°C - 85.00°C
Storage temperature range, °C	-40.00°C - 85.00°C
Immersion test	IEC 529:1989,IP68

Components

Interface-Panel Mount	Material:	Brass
	Exterior finish:	Silver Plate
Inner Contact	Material:	Phosphor Bronze
	Exterior finish:	Silver Plate
Sleeve	Material:	Brass
	Exterior finish:	Silver Plate
Insulator	Material:	PTFE
Disc	Material:	PTFE
O-Ring	Material:	Silicone Rubber
O-Ring	Material:	Silicone Rubber