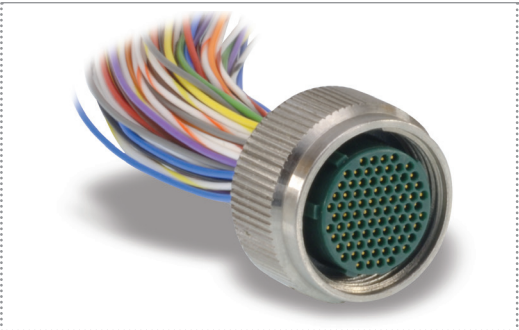


ITT Cannon MIKM Series Micro-miniature Connectors



RUGGED, HIGH-PERFORMANCE MICRO-MINIATURE CONNECTORS

ITT Cannon MIKM series micro-miniature circular connectors have a threaded coupling system and are rugged, lightweight, and small, yet offer very high performance. MIKM are good medical connectors and are also suitable for use in avionics, test sets, communication equipment and high-reliability cameras. The heart of this ITT Cannon plug is the Pos-Aline MicroPin system, offering uncompromised performance and assuring high normal force, excellent wipe, and superior shock and vibration performance. The MIKM series is available as a 7 pin connector, a 55 pin connector and an 85 pin connector. For full details on the ITT Cannon MIKM series micro-miniature connectors, see the product specifications below.

APPLICATIONS

- Medical equipment
- Avionics
- Test sets
- Communication equipment
- High-reliability cameras

FEATURES

- Stainless steel housings
- High density .050" spacing
- Strong threaded coupling system
- 100% electrically tested
- Pre-wired for easy assembly
- Able to be PC mounted
- Fully potted wires for sealing and strain relief

TECH SPECS

MATERIALS & FINISHES

Shell	Stainless steel per QQ-S-764
Shell Plating	Passivated per ASTM A380
Contacts	Copper alloy per 83513-Style
Contact Plating	Gold plate 50 microinches per MIL-G-45204
Insulator	Glass-filled thermoplastic per MIL-M-24519
Wires	Insulated 26 AWG 19/38 stranded silver plated with TFE Teflon insulation per MIL-W-22759/11, color coded per MIL-STD-681 system 1. Uninsulated 25 AWG gold-plated copper per QQ-S-343
Potting	Epoxy

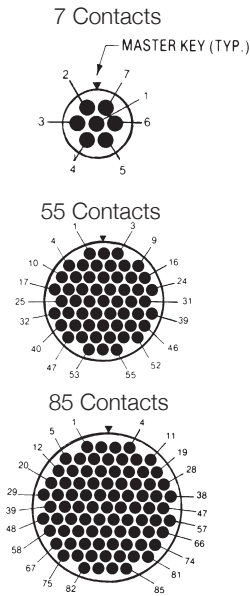
ELECTRICAL DATA

Dielectric Withstanding Voltage	900 Vac at sea level; 300 Vac at 70,000 feet altitude
Current Rating	3 Amps maximum
Wire Range Sizes	25-26 AWG standard (24-32 AWG special)
Contact Resistance	8 milliohms maximum
Insulation Resistance	5000 megaohms minimum

MECHANICAL DATA

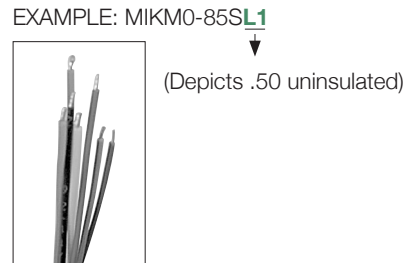
Operating Temperature	-55°C to 105°C (-67°F to 221°F)
Mating Life	500 cycles minimum
Vibration	20 g's
Shock	50 g's
Number of Circuits	7, 55 and 85

MATING FACE OF PIN INSERT



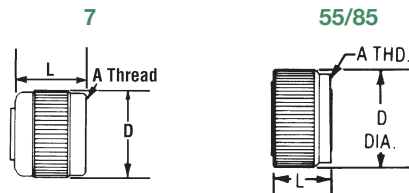
NUMBER OF CONTACTS	RECEPTACLES WITH SOCKETS	PLUGS WITH PINS
	** ADD WIRE LENGTH CODE	
7	MIKM0-7S**	MIKM6-7P**
55	MIKM0-55S**	MIKM6-55P**
85	MIKM0-85S**	MIKM6-85P**

**** WIRE LENGTH CODE**
 L1 = .50 (12.7) uninsulated
 L2 = 1.00 (25.4) uninsulated
 H072 = 6.00 (152.4) insulated
 H074 = 18.00 (457.2) insulated
 H076 = 36.00 (914.4) insulated
 Other lengths available, please contact us



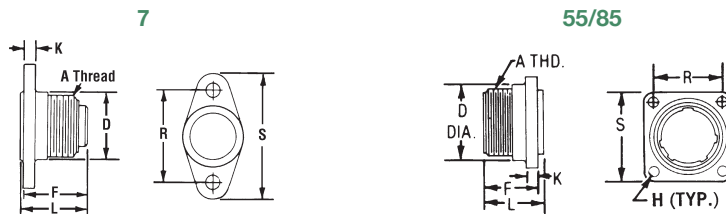
DIMENSIONS

MIKM6 PLUG



NUMBER OF CONTACTS	D DIA.	L MAX.	A THREAD UNEF-2B	AVG. WEIGHT OZ. (GM.) +/-5%
7	.385 (9.78)	.305 (7.75)	5/16-24	.214 (6.08)
55	.515 (13.08)	.405 (10.29)	5/8-24	.376 (10.70)
85	.760 (19.30)	.635 (16.13)	11/16-24	.714 (20.23)

MIKM0 REAR MOUNT RECEPTACLE



SIZE	D DIA.	L MAX.	A THREAD UNEF-2A	F MAX.	K	R +/- .005 (.13)	S	H +/- .003 (.08)	M	AVG. WEIGHT OZ. (GM.) +/-5%
7	.325 (8.26)	.400 (10.16)	5/16-24	.320 (8.13)	.062 (1.57)	.460 (11.68)	.630 (16.00)	.078 (1.98)	.340 (8.64)	.051 (1.45)
55	.625 (15.88)	.490 (12.45)	5/8-24	.440 (11.18)	.062 (1.57)	.580 (14.73)	.760 (19.30)	.091 (2.31)	.640 (16.26)	.269 (7.62)
85	.745 (18.92)	.490 (12.45)	11/16-24	.440 (11.18)	.062 (1.57)	.674 (17.12)	.845 (21.46)	.091 (2.31)	.760 (19.30)	.346 (9.80)

REAR MOUNT PANEL THICKNESS

SIZE	MAXIMUM PANEL THICKNESS
7	.032 (.81)
55	.125 (3.18)
85	.125 (3.18)

All dimensions in inches (millimeters in parentheses) unless otherwise stated.