

MHV Series



- 5 KV voltage rating.
- Non-constant impedance.
- Quick connect & disconnect bayonet coupling.
- Originally designed for high-voltage BNC applications.
- Meet the requirements of MIL-PRF-39012.

Specifications

MATERIAL

Body:	Brass
Crimp Sleeves:	Commercial Bronze Alloy
Male Center Contacts:	Brass
Female Center Contacts:	Beryllium Copper
Outer Contacts:	Brass
Insulators:	PTFE
Gaskets & Seals:	Silicone Rubber

FINISHES

Body:	Silver
Center Contacts:	Gold

ELECTRICAL

Impedance:	Non-Constant
Voltage Rating:	Operating: 3500 VRMS Test: 5000 VRMS
Insulation Resistance:	5000 Megohms

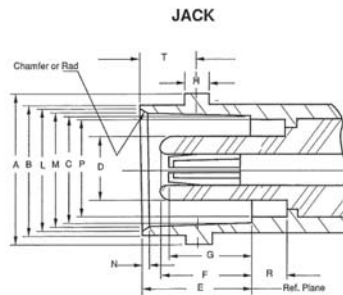
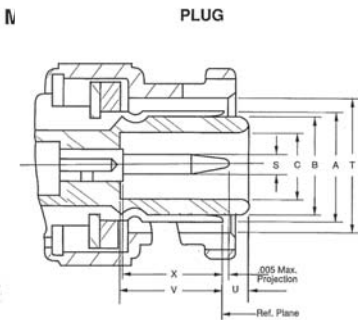
MECHANICAL

Mating:	2 Stud Bayonet Coupling
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ENVIRONMENTAL

Temperature Range:	-65° C to +165° C
Vibration:	MIL-STD-202, Method 204, Condition A
Shock:	MIL-STD-202, Method 213, Condition I
Corrosion:	MIL-STD-202, Method 101, Condition B

Interface Dimensions



Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	Gauge Test	
B	.278 (7.06)	.282 (7.16)
C	.190 (4.83)	.194 (4.93)
S	.052 (1.32)	.054 (1.37)
T	.385 (9.78)	.390 (9.91)
U		.086 (2.18)
V	.302 (7.67)	
X	.300 (7.62)	
Z	.045 (1.14)	.049 (1.24)

Dim Ltr	Inches (mm)	
	Minimum	Maximum
A	.432 (10.97)	.436 (11.07)
B	.378 (9.60)	.382 (9.70)
C	.319 (8.10)	.321 (8.15)
D		.186 (4.72)
E	.327 (8.31)	.335 (8.51)
F	.289 (7.34)	.311 (7.90)
G	.253 (6.43)	.280 (7.11)
H	.075 (1.91)	.081 (2.06)
L	.346 (8.79)	.356 (9.04)
M	.327 (8.31)	.333 (8.46)
N	.015 (0.38)	.030 (0.76)
P	.284 (7.21)	.290 (7.37)
R	.086 (2.18)	
T	.165 (4.19)	.169 (4.29)

MHV Series

Plug – Conventional

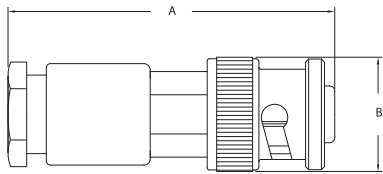


Figure 1

Plug – K-Grip, JR.

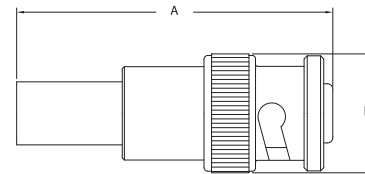


Figure 2

Adapters – Within Series

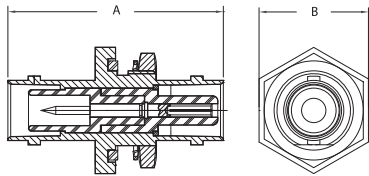


Figure 3

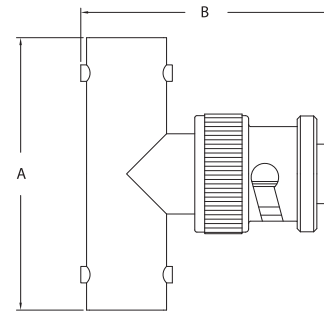


Figure 4

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
1685-2-5		Plug, Conventional	M	Silver	1.560	0.560			G1	CP-1002			1
KV-59-04		Plug, Conventional	M	Silver	1.560	0.560			DE	CP-1002			1
KV-59-26		Plug, Conventional	M	Nickel	1.560	0.560			G1	CP-1002			1
KV-59-70		Plug, Conventional	M	Nickel	1.540	0.560			B1	CP-1002			1
KV-59-56		Plug, Conventional, Polarized	M	Silver	1.630	0.560			DE	CP-1002			1
KV-59-23		Plug, Crimp	M	Nickel	1.500	0.560			G1	CP-417	KTH-2002		2
KV-59-37		Plug, Crimp	M	Nickel	1.500	0.560			D	CP-417	KTH-2001		2
KV-99-45		W/I Series, Bkhd, Polarized to Stand	F-F	Silver	1.360	0.690						X	3
KV-99-46		Within Series Adapter, Tee	F-M-F	Nickel	1.280	1.140							4

MHV Series

Bulkhead Receptacle

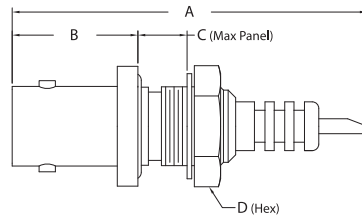


Figure 5

Panel Receptacle

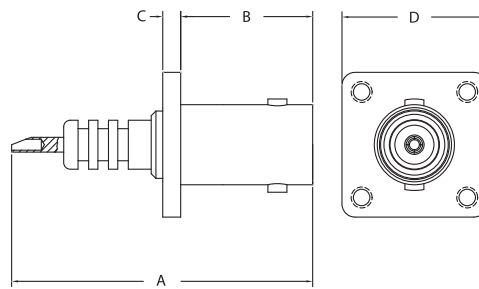


Figure 6

Receptacle - Other

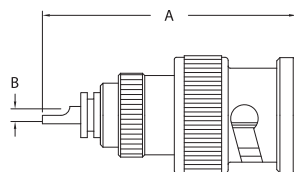


Figure 7

Item Number	Military PN	Product Description	Gender	Finish	Dimensions				Cable Group	Cable Procedure	Crimp Die	Mounting Hole	Figure #
					A	B	C	D					
KV-79-11		Receptacle, Bulkhd, Front Mt	F	Silver	1.420	0.470	0.112			SOLDER			5
KV-79-15		Receptacle, Bulkhd, Front Mt	F	Nickel	1.690	0.590	0.234			SOLDER		AA	5
KV-79-12		Receptacle, Panel	F	Nickel	1.430	0.630	0.085	0.690		SOLDER			6
KV-79-21		Receptacle	M	Nickel	1.190	0.060				SOLDER			7