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Find the *Carlisle / Specialty Connector 25A102-1* at our website: *Click HERE*

N SERIES

SPECIALTY CONNECTOR CO., INC.

The 'N' series are medium size general purpose connectors that are in widespread use. They feature a screw thread coupling mechanism and are gasketed for weatherproof operation. They are useful up to 12 GHZ and can withstand rugged environmental conditions. The series features many styles and variations. Certain of the fittings are 70 to 75 ohm styles but they have a separate listing.

MATERIALS:

Body parts: Brass per QQ-B-626, 1/2 HD.
Contacts: Male: Brass
Female: Beryllium Copper per QQ-C-530
Insulator: TFE Fluorocarbon per L-P-403
Gasket: Silicone rubber per ZZ-R-765

FINISH:

All parts plated to meet finish and corrosion requirements of MIL-C-39012.
Gold plating per MIL-G-45204.
Proprietary bright nickel (IP23).
Silver plating per QQ-S-365.

MECHANICAL:

Force to Engage and Disengage: Torque 3 in. lb. max.
Coupling nut Retention Force: 100 lb. min.
Coupling Proof Torque: 30 in. lb. min.
Connector Durability: 500 cycles min.

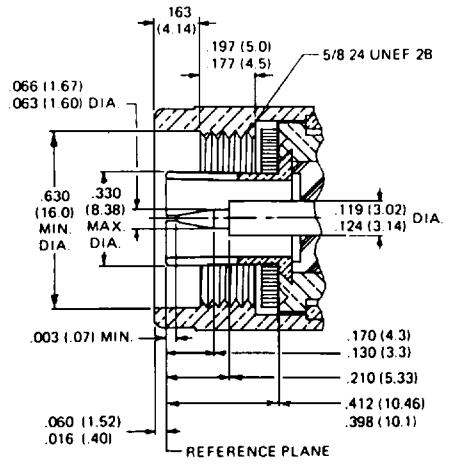
ELECTRICAL:

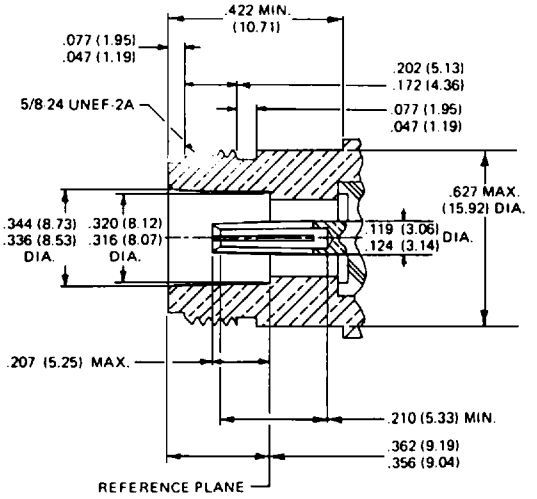
Impedance: 50 ohm Nominal
Frequency Range: DC to 12 GHZ
Precision types available to 18 GHZ
Insulation resistance: 5,000 Megohms min.
Voltage Rating: 1,000 VRMS
Dielectric Withstanding Voltage:
2,500 VRMS at sea level
R.F. Leakage: – (95 — FGHZ) dB max.
R.F. High Potential Withstanding Voltage:
1,500 VRMS at 5 MHZ
Voltage Standing wave ratio (VSWR):
1.07 + .007 f(GHZ) max.
Insertion loss: .05 $\sqrt{fGHZ}$ dB max.
Contact Resistance:
Outer contact: .2 Milliohms max.
Center contact: 1.0 Milliohms max.

ENVIRONMENTAL:

Temperature rating: – 65°C to + 165°C
Vibration: MIL-STD-202, method 204, cond. D (20G's).
Shock: MIL-STD-202, method 213, cond. I (100G's)
Thermal Shock: MIL-STD-202, method 107, cond. B
(– 65°C to + 115°C)
Corrosion (salt spray): MIL-STD-202, method 101,
cond. B
Moisture Resistance: MIL-STD-202, method 106

INTERFACE DIMENSIONS PER MIL-C-39012



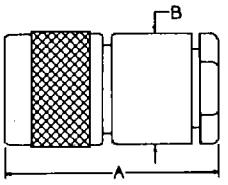


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SPECIALTY
CONNECTOR CO., INC.

N PLUG

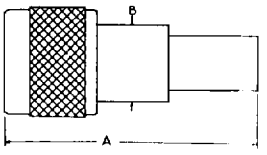




S/C Part No.	UG-/U No.	Cable RG-/U	Dimension A	Dimension B	Engr. Data	Assy. Inst.
25P100-1	UG-21D/U	8,8A,9, 9A,213, 214	1-1/2	3/4		
25P104-1		1/2 dia	1-1/2	3/4	Plug-in, Semi-Rigid Cable	AI-21
25P104-2		3/8 dia	1-1/2	3/4	Plug-in, Semi-Rigid Cable	AI-21
25P106-1		8,11,213	1-1/2	3/4	Straight Cut Hardware	AI-81
25P106-2		9,13,214	1-1/2	3/4	Straight Cut Hardware	AI-81
25P107-1		58	1-3/8	1/2	Straight Cut Hardware	AI-12
25P107-2		223	1-3/8	1/2	Straight Cut Style	AI-12
25P107-4		180,195	1-3/8	1/2	Straight Cut Style	AI-12
25P107-6		303	1-3/8	1/2	Straight Cut Style	AI-12
25P107-7		59,62	1-3/8	1/2	Straight Cut Style	AI-12
25P110-1	UG-21E/U	8,9,213 214	1-1/2	3/4		
25P114-1	UG-536/U	55,58	1-3/8	1/2		
25P117-1	UG-21G/U	8,8A,9 9A,213, 214	1-1/2	3/4		
25P121-1	UG-536B/U	55,58, 141,142 223	1-3/8	1/2		
25P124-1		.141 S.R.	1-31/64	1/2	Plug-in Style	AI-21
25P148-1		58,223	1-3/8	1/2	Captive Contact	
25P153-1		178,196	1-3/8	1/2	Straight Cut Style	AI-55
25P153-2		174,316	1-3/8	1/2	Straight Cut Style	AI-55
25P157-1		393	1-1/2	3/4	Captive Contact	
25P173-1		Belden 8214	1-1/2	3/4	Straight Cut Style	AI-81

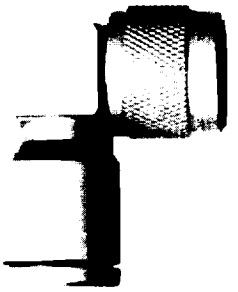
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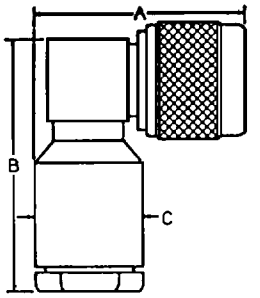




S/C Part No.	Cable RG-/U	Dimension A	Dimension B	Engr. Data
25P158-1	8,213	1-35/64	9/16	Crimp Captive Contact
25P158-2	9,214	1-35/64	9/16	Crimp Captive Contact
25P158-4	58	1-35/64	9/16	Crimp Captive Contact

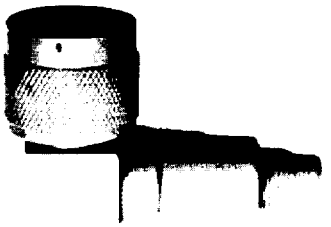
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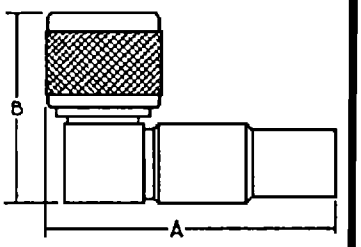




S/C Part No.	UG-/U No.	Cable RG-/U	Dimension A	Dimension B	Dimension C	Engr. Data	Assy. Inst.
25P109-1		55,58	1-9/32	1-5/8	1/2		
25P109-2		59,62,71	1-9/32	1-5/8	1/2		
25P112-1		8,9,213, 214	1-3/8	1-23/32	3/4		
25P119-1		5,21,212, 222	1-5/8	1-9/16	3/4	Has Access Cap	
25P119-2		8,9,213, 214	1-5/8	1-9/16	3/4	Has Access Cap	
25P127-1	UG-594B/U	8,9,213, 214	1-3/8	1-19/32	3/4		AI-71
25P134-1		58	1-19/32	1-5/16	1/2	Has Access Cap	AI-19
25P135-1		.500 dia S.R.	1-3/8	2-1/32	3/4	Plug-in Style	AI-21
25P135-2		.375 dia S.R.	1-3/8	2-1/32	3/4	Plug-in Style	AI-21
25P143-1		8,213	1-3/8	1-19/32	3/4	Straight Cut Style	AI-81
25P143-2		9,214	1-3/8	1-19/32	3/4	Straight Cut Style	AI-81
25P144-1		58	1-9/32	1-9/16	1/2	Straight Cut Style	AI-81
24P144-2		223	1-9/32	1-9/16	1/2	Straight Cut Style	AI-81

N PLUG — RIGHT ANGLE — CRIMP ON



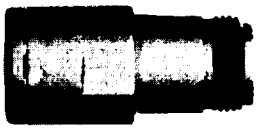


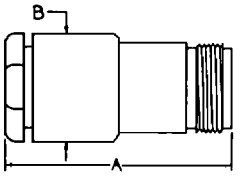
S/C Part No.	Cable RG-/U	Dimension A	Dimension B	Engr. Data
25P168-1	8,213	2-1/8	1-9/32	Crimp Captive Contact
25P168-2	9,214	2-1/8	1-9/32	Crimp Captive Contact
25P168-3	58	2-1/32	1-9/32	Crimp Captive Contact

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CONNECTOR CO., INC.

N JACK

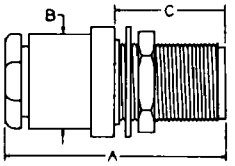




S/C Part No.	UG-/U No.	Cable RG-/U	Dimension A	Dimension B	Engr. Data	Assy. Inst.
25J102-1	UG-23F/U	8,9,11, 213,214	1-9/16	3/4		
25J103-1	UG-23D/U	8,9,11,13, 213,214, 216	1-9/16	3/4		
25J106-1		55,58	1-9/16	3/4		
25J111-1		8,11,213	1-19/32	3/4	Straight Cut Style	AI-81
25J111-2		9,13,214	1-19/32	3/4	Straight Cut Style	AI-81
25J112-1		58	1-25/64	1/2	Straight Cut Style	AI-12
25J112-2		223	1-25/64	1/2	Straight Cut Style	AI-12
25J112-5		303	1-25/64	1/2	Straight Cut Style	AI-12
25J112-6		59	1-25/64	1/2	Straight Cut Style	AI-12
25J115-1		.500 dia S.R.	2-1/32	3/4	Plug-in Style	AI-21
25J115-2		.375 dia S.R.	2-1/32	3/4	Plug-in Style	AI-21
25J122-1		58	1-25/64	1/2	Improved Hardware	

N JACK — SINGLE HOLE MOUNT

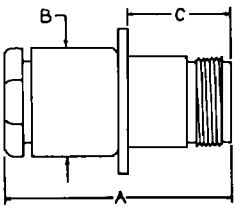




S/C Part No.	UG-/U No.	Cable RG-/U	Dimension A	Dimension B	Dimension C	Mtg. Hole	Engr. Data	Assy. Inst.
25JS100-1		8,11,213	1-3/4	3/4	59/64	DD1	Straight Cut Hardware	AI-81
25JS100-2		9,13,214	1-3/4	3/4	59/64	DD1	Straight Cut Hardware	AI-81
25JS103-1		174,179A 187,188	1-41/64	1/2	59/64	DD1		
25JS104-1	UG-5568/U	55,58,141, 142,223	1-41/64	1/2	59/64	DD1		AI-93
25JS105-1		188A/U	1-27/32	1/2	59/64	DD1	Herm. Seal	AI-14
25JS107-1	UG-160E/U	8,9,213, 214	1-3/4	3/4	59/64	DD1		
25JS110-1	UG-160D/U	8,9,213, 214	1-3/4	3/4	59/64	DD1		
25JS116-1		.375 dia S.R.	2-5/16	3/4	59/64	DD1	Plug-in Style	AI-21
25JS116-2		.500 dia S.R.	2-5/16	3/4	59/64	DD1	Plug-in Style	AI-21
25JS118-1	UG-556C/U	55,58	1-41/64	1/2	59/64	DD1		AI-93
25JS121-1		58,223	1-9/16	1/2	59/64	DD1	Captive Contact	
25JS122-1		.085 S.R.	1-41/64	1/2	59/64	DD1	Solder on Bushing	
25JS124-1		.141 S.R.	1-9/16	1/2	59/64	DD1	Plug-in Style	AI-21
25JS126-1		174,316	1-41/64	1/2	59/64	DD1	Captive Contact	
25JS130-2		174,316	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-66
25JS130-4		58	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-12
25JS130-6		303	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-12
25JS130-7		59,62	1-11/16	1/2	59/64	DD1	Straight Cut Style	AI-12

N JACK — FLANGE MOUNT

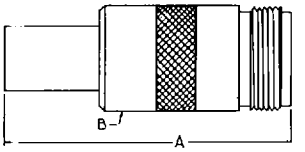




S/C Part No.	UG-/U No.	Cable RG-/U	Dimension A	Dimension B	Dimension C	Mtg. Plate	Engr. Data	Assy. Inst.
25JF101-1	UG-1095B/U	55,58,141, 142,223	1-25/64	1/2	21/32	1A		
25JF102-1	UG-22D/U	8,9,11,13, 213,214, 216	1-9/16	3/4	21/32	1A		
25JF105-1		58	1-9/16	3/4	21/32	1A	Captive Contact	
25JF108-1		58	1-25/64	1/2	21/32	1A	Straight Cut Style	AI-12
25JF108-2		223	1-25/64	1/2	21/32	1A	Straight Cut Style	AI-12
25JF110-1		.250 S.R.	1-9/16	1/2	21/32	1A	Plug-in Style	AI-21
25JF110-2		.141 S.R.	1-9/16	1/2	21/32	1A	Plug-in Style	AI-21
25JF111-1		8,213	1-19/32	3/4	21/32	1A	Straight Cut Style	AI-81
25JF111-1		9,214	1-19/32	3/4	21/32	1A	Straight Cut Style	AI-81
25JF112-1	UG1052/U	55,58	1-13/16	11/16	21/32	1A		

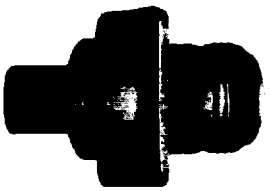
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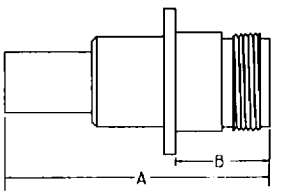




S/C Part No.	Cable RG-/U	Dimension A	Dimension B	Engr. Data
25J123-1	8,213	1-5/8	5/8	Crimp Captive Contact
25J123-2	9,214	1-5/8	5/8	Crimp Captive Contact

N JACK — FLANGE MOUNT — CRIMP ON



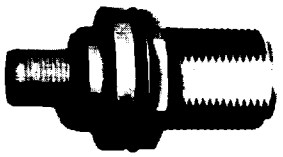


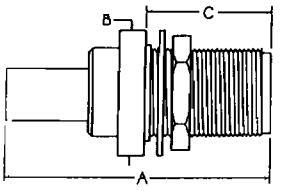
S/C Part No.	Cable RG-/U	Dimension A	Dimension B	Mtg. Plate	Engr. Data
25JF113-1	9,214	1-5/8	21/32	1A	Crimp Captive Contact
25JF113-2	8,213	1-5/8	21/32	1A	Crimp Captive Contact

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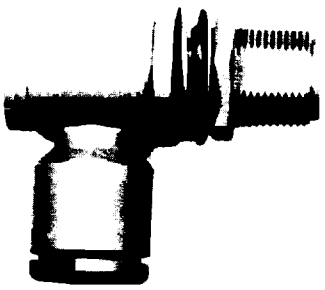
N JACK — SINGLE HOLE MOUNT — CRIMP ON

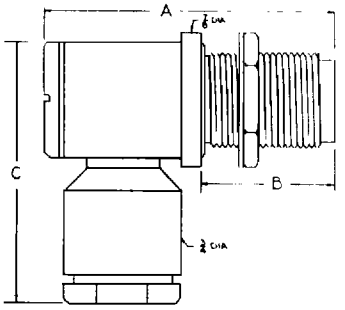




S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
25JS134-1	8,213	1-53/64	7/8	59/64	DD1	Crimp Captive Contact
25JS134-2	9,214	1-53/64	7/8	59/64	DD1	Crimp Captive Contact

N JACK — SINGLE HOLE MOUNT — RIGHT ANGLE

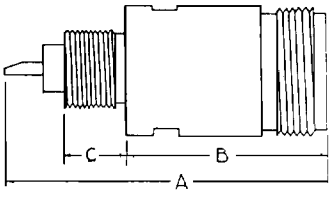




S/C Part No.	Cable RG-/U	Dimension			Mtg. Hole	Engr. Data	Assy. Inst.
		A	B	C			
25JS127-2	8,9,213, 214	1-9/16	55/64	1-21/32	DD1		AI-47

N JACK RECEPTACLE — SCREW MOUNT

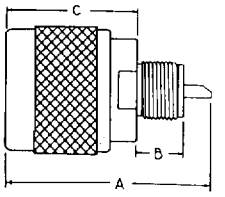




S/C Part No.	Dimension			Engr. Data
	A	B	C	
25JR140-1	1-25/64	61/64	19/64	Screws into 3/8-32 Tapped Hole
25JR161-1	1-13/64	5/8	19/64	Screws into 3/8-32 Tapped Hole

N PLUG RECEPTACLE — SCREW MOUNT

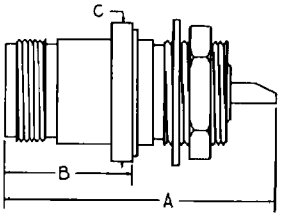




S/C Part No.	Dimension			Engr. Data
	A	B	C	
25PR113-1	1-5/16	19/64	7/8	Screws into 3/8-32 Tapped Hole

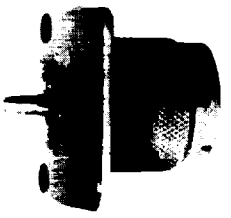
N JACK RECEPTACLE — SINGLE HOLE MOUNT

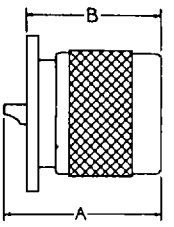




S/C Part No.	UG-/U No.	Dimension			Mtg. Hole	Engr. Data
		A	B	C		
25JR129-1	UG-680A/U	1-7/16	45/64	13/16	DD1	Herm. Sealed

N PLUG RECEPTACLE — FLANGE MOUNT



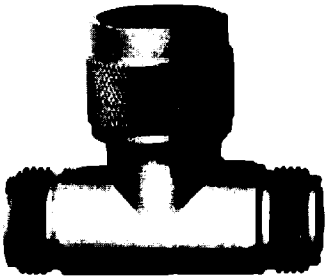


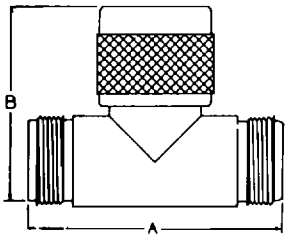
S/C Part No.	UG-/U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
25PR102-2		1-1/64	7/8	1A	

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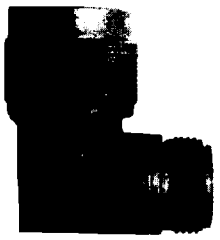
N ADAPTER TEE

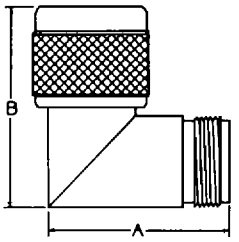




S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
25AT101-1	UG-107B/U	Jack-Plug-Jack	1-3/4	1-29/64	

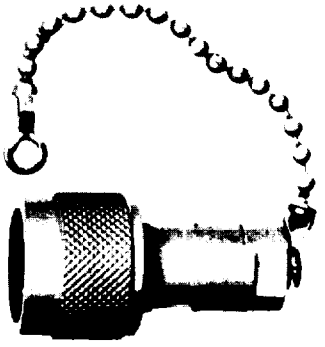
N ADAPTER — RIGHT ANGLE

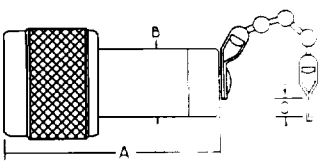




S/C Part No.	UG-/U No.	Adapter Ends	Dimension		Engr. Data
			A	B	
25AR101-1	UG-27B/U	Plug-Jack	1-3/16	1-3/8	Mitre Style
25AR102-1	UG-27D/U	Plug-Jack	1-17/64	1-9/32	Cube Style
25AR102-2	UG-27C/U	Plug-Jack	1-17/64	1-9/32	Cube Style

N PLUG TERMINATION

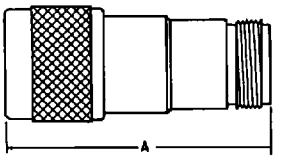




S/C Part No.	Resistor		Dimension			Engr. Data
	Ohm	Watt	A	B	C	
25PO100-1	51	1/2	1-1/2	1/2	.144	3-1/2" Bead Chain
25PO105-1	51	1/2	1-1/2	1/2		No Chain

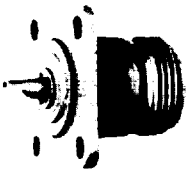
N ADAPTER

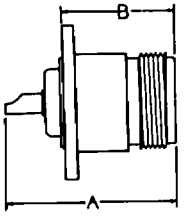




S/C Part No.	Adapter Ends	Dimension	Engr. Data
		A	
25A102-1	Plug-Jack	1-11/16	50 Ohm Plug - 75 Ohm Jack

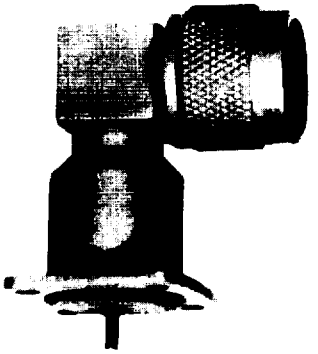
N JACK RECEPTACLE — FLANGE MOUNT

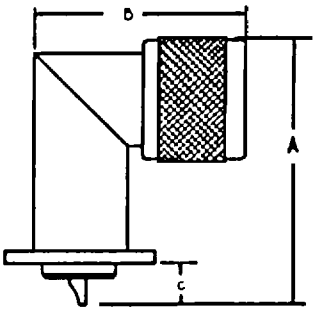




S/C Part No.	UG-/U No.	Dimension		Mtg. Plate	Engr. Data
		A	B		
25JR109-1	UG-58A/U	1-1/8	47/64	1A	

N PLUG RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT

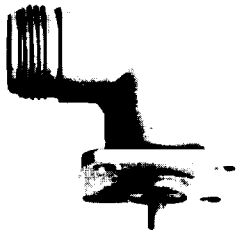


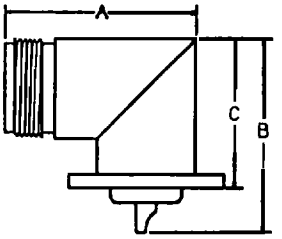


S/C Part No.	Dimension			Mtg. Plate	Engr. Data
	A	B	C		
25PR122-1	1-35/64	1-21/64	5/16	1A	

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N JACK RECEPTACLE — RIGHT ANGLE — FLANGE MOUNT

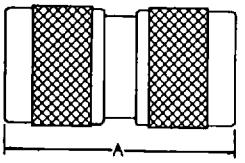




S/C Part No.	UG-/U No.	Dimension A	Dimension B	Dimension C	Mtg. Plate	Engr. Data
25JR117-1	UG-997A/U	1-7/32	1-29/64	1-9/64	1A	

N ADAPTER

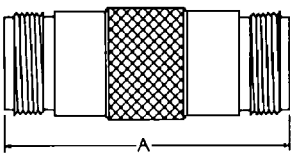




S/C Part No.	UG-/U No.	Adapter Ends	Dimension A	Engr. Data
25A100-1	UG-57B/U	Plug-Plug	1-19/32	
25A107-2		Plug-Plug	1-19/32	Precision

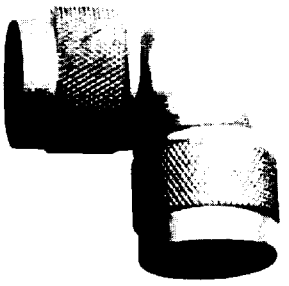
N ADAPTER

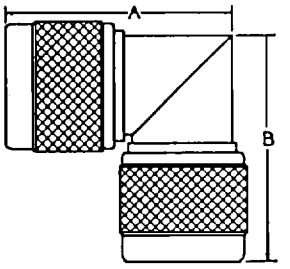




S/C Part No.	UG-/U No.	Adapter Ends	Dimension A	Engr. Data
25A101-1	UG-29B/U	Jack-Jack	1-3/4	
25A108-2		Jack-Jack	1-7/8	Precision

N ADAPTER — RIGHT ANGLE

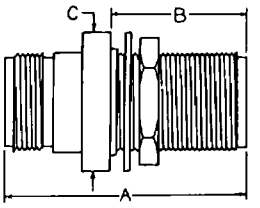




S/C Part No.	UG-/U No.	Adapter Ends	Dimension A	Dimension B	Engr. Data
25AR100-1		Plug-Plug	1-3/8	1-3/8	

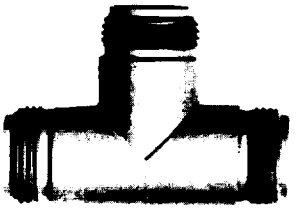
N ADAPTER — SINGLE HOLE MOUNT

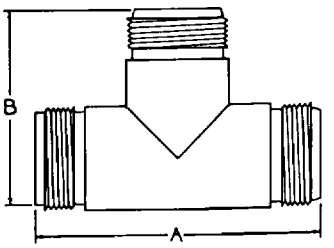




S/C Part No.	UG-/U No.	Adapter Ends	Dimension A	Dimension B	Dimension C	Mtg. Hole	Engr. Data
25AS100-1	UG-30D/U	Jack-Jack	1-35/64	55/64	7/8	DD1	Herm. Seal
25AS102-1	UG-30E/U	Jack-Jack	1-35/64	55/64	7/8	DD1	Herm. Seal

N ADAPTER TEE





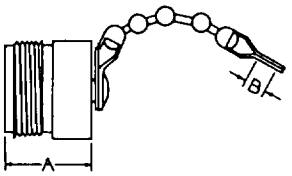
S/C Part No.	UG-/U No.	Adapter Ends	Dimension A	Dimension B	Engr. Data
25AT100-1	UG-28A/U	Jack-Jack-Jack	1-3/4	1-7/32	

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N JACK CAP & CHAIN

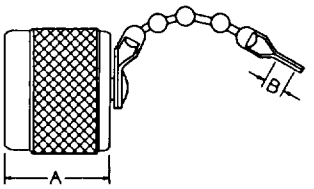




S/C Part No.	UG-/U No.	Dimension A	Dimension B	Engr. Data
25JC100-1		11/16	.144	2-1/2" Bead Chain
25JC103-1		11/16		Shorting Cap - No Chain

N PLUG CAP





S/C Part No.	UG-/U No.	Dimension A	Dimension B	Engr. Data
25PC100-1	MX-913/U	7/16	.144	2-1/2" Bead Chain
25PC101-2		7/16		No Chain
25PC103-1		47/64		Shorting Cap - No Chain

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