

M85049/17 Type EMI/RFI Environmental Backshell

RY85049 Series • M85049 Type Backshells



Photo for example only

RY85049/17 Compatibility

Compatible Connector Series

MIL-DTL-38999 Series I & II

RY85049/17 16 N 05 B

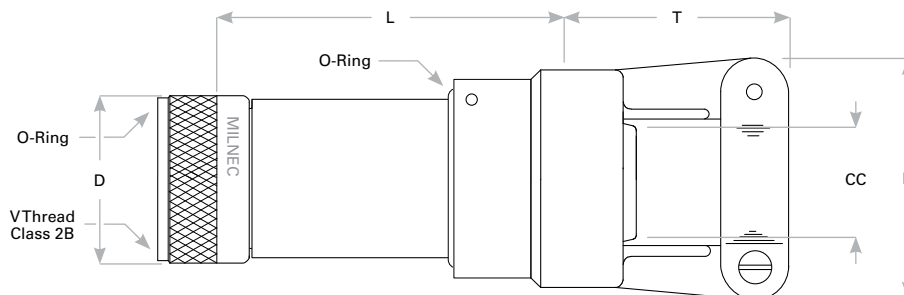


- 1 **BASIC PART NUMBER**
RY85049/17
M85049/17 type
EMI/RFI environmental backshell
(Supersedes MIL-C-38999/5)
- 2 **DASH NO.**
See Dimensions table below
- 3 **MATERIAL & FINISH**
N Aluminum, electroless nickel
W Aluminum, olive drab cadmium
X Aluminum, nickel fluorocarbon polymer
Z Aluminum, zinc-nickel
- 4 **CLAMP SIZE**
See Clamp Size table below
- 5 **LENGTH CODE**
See Length Code table below
(Omit for standard)

RY85049/17 Dimensions

Dash No.	Shell Size Series I	Shell Size Series II	V Thread Class 2B	D	Clamp Size	
					Min	Max
8	9	8	0.438 - 28 UNEF	0.570 (14.5)	01	02
10	11	10	0.562 - 24 UNEF	0.700 (17.8)	01	03
12	13	12	0.688 - 24 UNEF	0.830 (21.1)	02	04
14	15	14	0.813 - 20 UNEF	0.950 (24.1)	02	05
16	17	16	0.938 - 20 UNEF	1.080 (27.4)	02	06
18	19	18	1.063 - 18 UNEF	1.200 (30.5)	03	07
20	21	20	1.188 - 18 UNEF	1.330 (33.8)	03	08
22	23	22	1.313 - 18 UNEF	1.450 (36.8)	03	09
24	25	24	1.438 - 18 UNEF	1.580 (40.1)	04	10

Dimensions are in inches (mm).



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RY85049/17 Clamp Size (Continued from previous page)

Clamp Size	B Max	T Max	CC Cable Range	
			Min	Max
01	0.781 (19.8)	1.250 (31.8)	0.062 (1.6)	0.125 (3.2)
02	0.969 (24.6)	1.250 (31.8)	0.125 (3.2)	0.250 (6.4)
03	1.062 (27.0)	1.250 (31.8)	0.250 (6.4)	0.375 (9.5)
04	1.156 (29.4)	1.250 (31.8)	0.375 (9.5)	0.500 (12.7)
05	1.250 (31.8)	1.312 (33.3)	0.500 (12.7)	0.625 (15.9)
06	1.375 (34.9)	1.375 (34.9)	0.625 (15.9)	0.750 (19.1)
07	1.500 (38.1)	1.500 (38.1)	0.750 (19.1)	0.875 (22.2)
08	1.625 (41.3)	1.625 (41.3)	0.875 (22.2)	1.000 (25.4)
09	1.750 (44.5)	1.625 (41.3)	1.000 (25.4)	1.125 (28.6)
10	1.875 (47.6)	1.625 (41.3)	1.125 (28.6)	1.250 (31.8)

Dimensions are in inches (mm).

RY85049/17 Length Code

Clamp Size	Shell Sizes	L
Standard	08 - 24	1.500 (38.1)
A	08 - 24	2.500 (63.5)
B	14 - 24	3.500 (88.9)
C	20 - 24	4.500 (114.3)

Dimensions are in inches (mm).

