

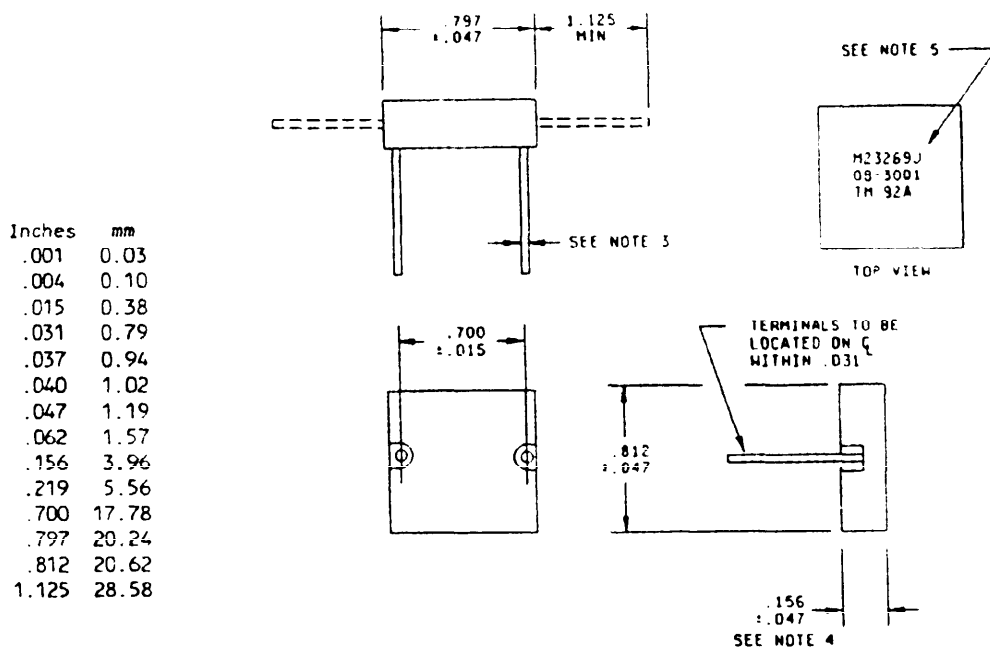
MILITARY SPECIFICATION SHEET

CAPACITORS, FIXED, GLASS DIELECTRIC,
 (AXIAL-RADIAL WIRE-LEAD TERMINALS), ESTABLISHED RELIABILITY,
 STYLE CYR32

Inactive for design after date of this specification.
 For new design use MIL-C-23269/1, /2, 3, /4, or /10.

This specification is approved for use by all Depart-
 ments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall
 consist of this specification sheet and the issue of the following
 specification listed in that issue of the Department of Defense Index
 of Specifications and Standards (DODISS) specified in the solicitation:
 MIL-C-23269.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. The lead diameter shall be $.037 + .004, -.001$ for capacitance values less than 2200 pF and $.040 + .004, -.001$ for capacitance values above 2000 pF.
4. For any value above 2000 pF, this dimension shall be $.219 + .062, -.031$.
5. See marking requirement.

FIGURE 1. Dimensions and configurations.

AMSC N/A

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FSC 5910

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited

REQUIREMENTS:

Design and construction

Dimensions and configurations: See figure 1.

Case material: Glass (vitreous enamel).

Terminals: Type C of MIL-STD-1276.

Capacitance (cap.) (nom): See table 1.

Capacitance tolerance: See table 1.

Rated voltage: See table 1.

Failure rate level: M, P, R, or S.

Rated temperature: -55°C to +125°C.

Temperature coefficient: 105 ±25 parts/million/°C.

Capacitance drift: 0.1 percent or 0.1 pF, whichever is greater.

Seal: Hermetic.

Seal: Test II.

Insulation resistance: 100,000 megohms or 200 ohm-farads minimum (qualification inspection only at +125°C). 500,000 megohms minimum (at +25°C).

Dissipation factor (DF): 0.1 percent maximum.

Thermal shock and moisture resistance:

DF: 0.1 percent maximum.

Quality factor (Q): 2,000 minimum.

Life:

ΔCap. (240 hours and 2,000 hours): 1.0 percent maximum.

DF (240 hours and 2,000 hours): 0.1 percent maximum.

Marking:

"M" Part or Identifying		"J Brand" in lieu of slash
Number (PIN)		
M23269	J	
08-3001		
TM	92	A
Trademark	Year code	Sequential 4-week lot code

Substitutability data: See table II.

TABLE 1. Electrical and physical characteristics and dash numbers

Capacitance (nF)	Rated voltage (volts, dc)	Capacitance tolerance	Dash number M23269/08- FR level in percent/1,000 hours			
			M (1.0)	P (0.1)	R (0.01)	S (0.001)
1.1	500	±1%	3001	4001	5001	6001
1.1	"	±2%	3002	4002	5002	6002
1.1	"	±5%	3003	4003	5003	6003
1.2	"	±1%	3004	4004	5004	6004
1.2	"	±2%	3005	4005	5005	6005
1.2	"	±5%	3006	4006	5006	6006
1.3	"	±1%	3007	4007	5007	6007
1.3	"	±2%	3008	4008	5008	6008
1.3	"	±5%	3009	4009	5009	6009
1.5	"	±1%	3010	4010	5010	6010
1.5	"	±2%	3011	4011	5011	6011
1.5	"	±5%	3012	4012	5012	6012
1.6	"	±1%	3013	4013	5013	6013
1.6	"	±2%	3014	4014	5014	6014
1.6	"	±5%	3015	4015	5015	6015
1.8	"	±1%	3016	4016	5016	6016
1.8	"	±2%	3017	4017	5017	6017
1.8	"	±5%	3018	4018	5018	6018
2.0	"	±1%	3019	4019	5019	6019
2.0	"	±2%	3020	4020	5020	6020
3.0	"	±5%	3021	4021	5021	6021
2.2	"	±1%	3022	4022	5022	6022
2.2	"	±2%	3023	4023	5023	6023
2.2	"	±5%	3024	4024	5024	6024
2.4	"	±1%	3025	4025	5025	6025
2.4	"	±2%	3026	4026	5026	6026
2.4	"	±5%	3027	4027	5027	6027
2.7	"	±1%	3028	4028	5028	6028
2.7	"	±2%	3029	4029	5029	6029
2.7	"	±5%	3030	4030	5030	6030
3.0	"	±1%	3031	4031	5031	6031
3.0	"	±2%	3032	4032	5032	6032
3.0	"	±5%	3033	4033	5033	6033
3.3	"	±1%	3034	4034	5034	6034
3.3	"	±2%	3035	4035	5035	6035
3.3	"	±5%	3036	4036	5036	6036
3.6	300	±1%	3037	4037	5037	6037
3.6	"	±2%	3038	4038	5038	6038
3.6	"	±5%	3039	4039	5039	6039
3.9	"	±1%	3040	4040	5040	6040
3.9	"	±2%	3041	4041	5041	6041
3.9	"	±5%	3042	4042	5042	6042
4.3	"	±1%	3043	4043	5043	6043
4.3	"	±2%	3044	4044	5044	6044
4.3	"	±5%	3045	4045	5045	6045
4.7	"	±1%	3046	4046	5046	6046
4.7	"	±2%	3047	4047	5047	6047
4.7	"	±5%	3048	4048	5048	6048
5.1	"	±1%	3049	4049	5049	6049
5.1	"	±2%	3050	4050	5050	6050
5.1	"	±5%	3051	4051	5051	6051
5.6	"	±1%	3052	4052	5052	6052
5.6	"	±2%	3053	4053	5053	6053
5.6	"	±5%	3054	4054	5054	6054

TABLE 11. Substitutability data

Superseded type designation in MIL-C-23269/80	Use dash number M23269/08- in MIL-C-23269/80 and /80		Superseded type designation in MIL-C-23269/80	Use dash number M23269/08- in MIL-C-23269/80 and /80	
	FR level in 1,000 hours			FR level in 1,000 hours	
	L (2.0)	M (1.0)		L (2.0)	M (1.0)
CYR320112F	2001	3001	CYR320272J	2028	3028
CYR320112G	2002	3002	CYR320272F	2029	3029
CYR320112J	2003	3003	CYR320272G	2030	3030
CYR320122F	2004	3004	CYR320302J	2031	3031
CYR320122G	2005	3005	CYR320302F	2032	3032
CYR320122J	2006	3006	CYR320302G	2033	3033
CYR320132F	2007	3007	CYR320332J	2034	3034
CYR320132G	2008	3008	CYR320332F	2035	3035
CYR320132J	2009	3009	CYR320332G	2036	3036
CYR320152F	2010	3010	CYR320362J	2037	3037
CYR320152G	2011	3011	CYR320362F	2038	3038
CYR320152J	2012	3012	CYR320362G	2039	3039
CYR320162F	2013	3013	CYR320392J	2040	3040
CYR320162G	2014	3014	CYR320392F	2041	3041
CYR320162J	2015	3015	CYR320392G	2042	3042
CYR320182F	2016	3016	CYR320432J	2043	3043
CYR320182G	2017	3017	CYR320432F	2044	3044
CYR320182J	2018	3018	CYR320432G	2045	3045
CYR320202F	2019	3019	CYR320472J	2046	3046
CYR320202G	2020	3020	CYR320472F	2047	3047
CYR320202J	2021	3021	CYR320472G	2048	3048
CYR320222F	2022	3022	CYR320512J	2049	3049
CYR320222G	2023	3023	CYR320512F	2050	3050
CYR320222J	2024	3024	CYR320512G	2051	3051
CYR320242F	2025	3025	CYR320562F	2052	3052
CYR320242G	2026	3026	CYR320562G	2053	3053
CYR320242J	2027	3027	CYR320562J	2054	3054

Revision letters are not used to denote changes due to the extensiveness of the changes.

CONCLUDING MATERIAL

Custodians:

Army - EP
Navy - EC
Air Force - 85
NASA - NA

Preparing activity:

Navy - EC

Agent:

DLA - ES

Review activities:

Air Force - 87
DLA - ES

(Project 5910-1828-08)

User activities:

Navy - AS, PG, MC, DS, SH
Air Force - 87