



GE Lighting Components



Miniature and Subminiature Lamp Bases

This category of lamp bases from GE Lighting covers such applications as Christmas tree lights, minican quartz lamps, medical instrumentation lamps, flashlight bulbs, telephone signal lamps and neon glow indicator lamps.

These bases are for lamps operating in the range of 1.5 to 21 volts and include candelabra and miniature screw bases, slide bases, candelabra and miniature prefocus lamp bases; subminiature and midget lamp bases, and intermediate screw bases.

Key Components

Miniature and subminiature lamp bases include both threaded and unthreaded types. Most shells are nickel plated over brass. Black phenolic is the standard insulation material, with glass, nylon, ceramic and steatite available in some bases. Other distinguishing characteristics and special options are covered in the table on the next page.

Bases perform a key function in the operation of a lamp, passing electrical current from the source into

the envelope and at the same time providing the required insulation. Adding strength and stability to the light bulb structure is its other major function.

Whether they are referred to as bases (the U.S. terminology) or caps (as they are called in many other countries), miniature and subminiature bases are precision metal components that offer good electrical properties, high reliability and low cost.

GE Lighting is a major producer of these and other bases for virtually all sizes and types of lamps. We offer major production facilities in the United States and Europe, over 70 years of experience in lamp base manufacture and a well established reputation as a quality supplier.

Meet International Standards

GE miniature and subminiature bases conform to a number of specifications, including the ANSI and SAE codes. To meet specifications in international markets, GE manufactures bases to the metric

dimensions published by the International Electric Commission (IEC). A conversion table from GE product code numbers to IEC designations is available from GE Lighting.

Ordering Information

Most of the bases covered in this data sheet should be ordered directly from our Providence (RI) manufacturing facility. Contact:

Providence Base Plant
586 Atwells Avenue
Providence, Rhode Island 02909
Tel: (401) 456-6140, Fax: (401) 456-6132

Two exceptions are the 1509-01 ceramic insulated minican base and the 1003-07 candelabra prefocus high temperature base, both of which should be ordered from:

GE Lighting Components
Building 315, Nela Park
Cleveland, Ohio 44112
Tel: (216) 266-2451, Fax: (216) 266-3372

Also contact the Cleveland office for additional information about lamp bases and other lamp materials and components.

Miniature and Subminiature Lamp Bases

Brass shell and black phenolic insulation unless otherwise noted, diameter includes flare.

Product Code No.	Description	Diameter OD Max.	Height	Eyelet Diameter	Threads - 14 per inch (25.40) unless otherwise noted			
					Depth Minimum	Radius Nominal	Crest Maximum	Root Maximum

Candelabra Screw Bases

0501-01	Vented, aluminum shell, 10 threads/inch (25.40)	.487 (12.242)	.594 (15.088)	.156 (3.962)	.025 (.635)	.031 (.792)	.465 (11.81)	.415 (10.54)
1509-01	Nickel plated, ceramic insulation (minican)	.531 (13.49)	.570 (14.47)	.140 (3.558)	.020 (.508)	.021 (.533)	.425 (10.79)	.385 (9.77)

Miniature Screw Bases

0601-18	Vented, aluminum shell	.387 (9.829)	.484 (12.294)	.156 (3.962)	.020 (1.508)	.021 (1.533)	.375 (9.52)	.335 (8.50)
0601-26	Vented							
0601-27	Vented, nickel plated shell							

Miniature Flanged - Single Contact Prefocus

Product Code No.	Description	Diameter OD Max.	Height	Eyelet Diameter	Flange Diameter	Slot Height	Slot Width
0652-14	Aluminum shell	.361 (9.170)	.557 (14.148)	.156 (3.962)	.530 (13.462)	.094 (2.388)	.040 (1.016)
0652-17						—	—
0652-19	Unslotted, nickel plated shell					—	—
0652-21	Nickel plated shell					.094 (2.388)	.040 (1.016)

Telephone Slide

Product Code No.	Description	Diameter OD Max.	Insulator Height	Insulator Width	Tang Width	Tang Length	Tang Face Width	Tang to Tang
0905-10	Nickel plated shell	1.125 (28.575)	.422 (10.720)	.247 (6.287)	.234 (5.943)	.453 (11.510)	.103 (2.616)	.285 (7.239)
0907-10	Nylon insulation, nickel plated shell	.625 (15.87)	.203 (5.16)	.245 (6.35)	.234 (5.943)	.328 (8.33)		

Subminiature Flanged

Product Code No.	Description	Diameter OD	Height	Eyelet	Flange Diameter	Flange Thickness	Insulator Height	Insulator Width
0957-04	Nickel plated shell	.245 (6.223)	.323 (8.204)	.125 (3.175)	.285 (7.239)	.016 (.410)	.790 (20.066)	.255 (6.497)
0957-50	Nickel plated shell, solder indent, slot for lead wire							
0967-02	Nickel plated shell, 1.57 (.062) wide flange slot	.156 (4.02)	.159 (4.04)	.95 (2.41)	.181 (4.60)	.015 (.336)	.055 (1.40)	.150 (3.81)

Candelabra Prefocus Double Contact

Product Code No.	Description	Diameter	Height	Eyelet	Insulation Height	Insulation Width
1003-06	Knurled groove, nickel plated shell, glass insulation	.627 (15.98)	.750 (19.065)	.188 (4.780)	.096 (2.440)	.530 (13.460)
1003-07	Nickel plated shell, steatite insulation marked USA			.150 (3.81)		

Intermediate Screw

Product Code No.	Description	Diameter OD Max.	Height	Eyelet	Threads - 9 per inch (25.40)			
					Depth Minimum	Radius Nominal	Crest Maximum	Root Maximum
1302-15	Vented	.675 (17.14)	.765 (19.431)	.187 (4.750)	.027 (.686)	.035 (.897)	.651 (16.53)	.597 (15.16)

Midget Grooved

Product Code No.	Description	Diameter	Height	Eyelet	Insulation Height	Insulation Width	Groove Depth
1503-07	Nickel plated shell, slotted	.245 (6.22)	.330 (8.38)	.125 (3.17)	1.01 (.040)	.475 (.187)	.45 (.018)



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