



## Features

- Maintenance Free, Easy Installation
- Long Life 100,000+ hrs (10 Years)
- Solid-State, High Shock/Vibration Resistant
- Built-in Current Limiting Resistors
- Low Power, High Intensity
- Major Power Savings
- Major Reduction in Heat Generation
- Wide Angle 120° Illumination

## Options

- Warm & Incandescent White Available
- Special Voltages
- Industry Standard Bases
- Narrow Beam (20°) Illumination
- Red, Amber, Yellow, Blue, White, IR

Subminiature Packages	Replaces Incandescent	Part Number	Electrical-Optical Characteristics (Ta = 25°C)				Angle of Illumination	Special Features
			Voltage V typ	Current mA typ	Intensity Ft.Cd	Intensity mcd		
<b>T1 (3mm) Sub-Midget Flange</b> 	EXT. RES. REQD	FF120CAG6K-3.5Vf-P	3.5Vf	15	70	200	120°	Center Contact Polarity P = Positive N = Negative  Replace FF120 With F120 Narrow (15°) Beam Intensity 5K mcd/145 Ft.Cd
	682,685,714,718	FF120CAG6K-5V-P	5V	15	70	200		
	7241	FF120CAG6K-18V-P	18V	15	70	200		
	6839	FF120CAG6K-24V-P	24V	10	50	150		
	6839	FF120CAG6K-28V-P	28V	10	50	150		
<b>T1 (3mm) Sub-Midget Bi-Pin</b> 	EXT. RES. REQD	BPF120CAG6K-3.5Vf	3.5Vf	15	70	200	120°	Replace BPF120 With BP120 Narrow (15°) Beam Intensity 5K mcd/145 Ft.Cd @ 15 mA
	7265,7680,7714	BPF120CAG6K-5V	5V	15	70	200		
		BPF120CAG6K-14V	12/14V	15	70	200		
	7839	BPF120CAG6K-24V	24V	10	50	150		
	7839	BPF120CAG6K-28V	28V	10	50	150		
<b>T1-1/2 (4.5mm) Midget Wedge</b> 	EXT. RES. REQD	WF150CAG6K-3.5Vf	3.5Vf	15	120	400	120°	Replace WF150 With W150 Narrow Beam (15°) Intensity 7K mcd/250 Ft.Cd @ 15 mA
	56,79,84,86	WF150CAG6K-5V	5V	15	120	400		
	18,37,73,74	WF150CAG6K-14V	12/14V	15	120	400		
	17, 85	WF150CAG6K-24V	24V	15	120	400		
	17, 85	WF150CAG6K-28V	28V	15	120	400		
<b>T1-3/4 (5mm) Midget Wedge</b> 	EXT. RES. REQD	WF200CAG6K-3.5Vf	3.5Vf	15	120	400	120°	Replace WF200 With W200 Narrow Beam (15°) Intensity 7K mcd/250 Ft.Cd @ 15 mA
	56,79,84,86	WF200CAG6K-5V	5V	15	120	400		
	18,37,73,74	WF200CAG6K-14V	12/14V	15	120	400		
	17, 85	WF200CAG6K-24V	24V	15	120	400		
	17, 85	WF200CAG6K-28V	28V	15	120	400		
<b>T1-3/4 (5mm) Midget Flange</b> 	EXT. RES. REQD	FF200CAG6K-3.5Vf-P	3.5Vf	15	120	400	120°	Center Contact Polarity P = Positive N = Negative  Replace FF200 With F200 Narrow (15°) Beam Intensity 7K mcd/250 Ft.Cd
	328,345,350	FF200CAG6K-5V-P	5V	15	120	400		
	330,382,394	FF200CAG6K-14V-P	12/14V	15	120	400		
	327,376,387	FF200CAG6K-24V-P	24V	15	120	400		
	327,376,387	FF200CAG6K-28V-P	28V	15	120	400		
<b>T1-3/4 (5mm) Midget Groove</b> 	EXT. RES. REQD	GF200CAG6K-3.5Vf-P	3.5Vf	15	120	400	120°	Center Contact Polarity P = Positive N = Negative  Replace GF200 With G200 Narrow (15°) Beam Intensity 7K mcd/250 Ft.Cd
	337,379,398	GF200CAG6K-5V-P	5V	15	120	400		
	386	GF200CAG6K-14V-P	12/14V	15	120	400		
	334,388	GF200CAG6K-24V-P	24V	15	120	400		
	334,388	GF200CAG6K-28V-P	28V	15	120	400		
<b>T1-3/4 (5mm) Midget Screw</b> 	EXT. RES. REQD	SF200CAG6K-3.5Vf-P	3.5Vf	15	120	400	120°	Center Contact Polarity P = Positive N = Negative  Replace SF200 With S200 Narrow (15°) Beam Intensity 7K mcd/250 Ft.Cd
	378,1768,1775	SF200CAG6K-5V-P	5V	15	120	400		
	336,383	SF200CAG6K-14V-P	12/14V	15	120	400		
	342	SF200CAG6K-24V-P	24V	15	120	400		
	335,342,369,399	SF200CAG6K-28V-P	28V	15	120	400		
<b>T1-3/4 (5mm) Midget Bi-Pin</b> 	7328	BPF200CAG6K-5V	5V	15	120	400	120°	Replace BPF200 With BP200 Narrow (15°) Beam Intensity 7K mcd/250 Ft.Cd
	7371	BPF200CAG6K-12V	12V	15	120	400		
	7330,7382	BPF200CAG6K-14V	12/14V	15	120	400		
	7327,7387	BPF200CAG6K-24V	24V	15	120	400		
	7327,7387	BPF200CAG6K-28V	28V	15	120	400		

All dimensions in inches. For millimeters multiply by 25.4

**Caution:** The Green LED is sensitive to static electricity. Handle it with care. Damage occurs to the green LED if a voltage exceeding the specified absolute maximum is applied.

Log # 089A Rev 6 -99