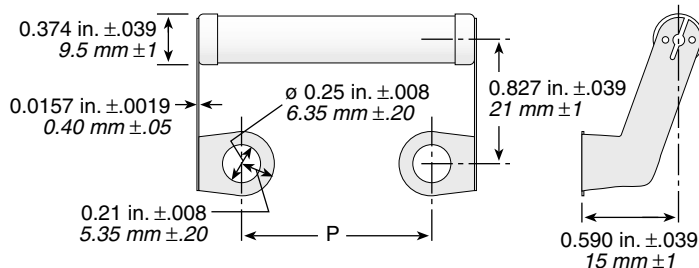


G Series

Capacitor Discharge & Symmetry



Series	Wattage @25°C	Wattage @70°C	Limiting Voltage	Critical Value	Ohmic Range	Length P (in. ±.039 / mm±1)
GW10	10	8.5	685	47KΩ	1Ω-82K	0.866 / 22.0
GW13	13	11	940	68KΩ	1Ω-120k	1.252 / 31.8

ORDERING INFORMATION

G Series	—	GW10J5K00E	—	E = RoHS compliant
Component	Modifier	Wattage	Tolerance	Resistance Value
W = wirewound		10 watts	K = 10%	R = Decimal
		13 watts	J = 5%	K = 1,000
			G = 2%	Examples:
			F = 1%	1K00 = 1,000Ω
				10K0 = 10,000Ω
				82K0 = 82,000Ω
				120K = 120,000Ω

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STANDARD PART NUMBERS

Ohms	10 watt	13 watt
1K	GW10J1K00E	GW13J1K00E
2.5K	GW10J2K50E	GW13J2K50E
5K	GW10J5K00E	GW13J5K00E
7.5K	GW10J7K50E	GW13J7K50E
10K	GW10J10K0E	GW13J10K0E
15K	GW10J15K0E	GW13J15K0E
20K	GW10J20K0E	GW13J20K0E
25K	GW10J25K0E	GW13J25K0E
40K	GW10J40K0E	GW13J40K0E
50K	GW10J50K0E	GW13J50K0E
75K	GW10J75K0E	GW13J75K0E

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FEATURES

- High Power Dissipation up to 13W @25°C
- Specially Designed to meet Repetitive Pulse Loading
- Corrosion Resistant Terminals for long life
- Superior Vibration Resistance
- IEC 115-1 Reference Standard

SPECIFICATIONS

Temperature Range: -55°C to 200°C
Terminal Strength: >25N
Derating: 25°C to 350°C, Linearly
TCR: ±100 ppm/°C
Tolerance: 1%, ±2%, ±5%, ±10%

PERFORMANCE DATA

Endurance at Rated Temperature	Full Rated Power for 1000hrs, (1.5hrs ON, 0.5hrs OFF) at 25°C	ΔR < 5% + 0R05
Short Term Overload	10 x Rated Power for 5 secs, IEC115-1, Clause 4.1.3	ΔR < 2% + 0R05
Damp Heat Steady State	90-95% RH, 40°C, 56 Days, IEC 115-1, Clause 4.17.3	ΔR < 5% + 0R05
Climatic Sequence	As per IEC 115-1, Clause 4.23	ΔR < 5% + 0R05
Solderability	Not Applicable-Resistor is Designed for Screw Mounting Only	
Terminal Strength	25 N Pull Test for 10 Seconds, IEC 115-1, Clause 4.16	ΔR < 0.5% + 0R05

COMPATIBLE CAPACITORS

BHC				ILL Capacitor			
GW10 Series	Case Sizes	GW13 Series	Case Sizes	GW10 Series	Case Sizes	GW13 Series	Case Sizes
ALS30/31	KE, KF	ALS30/31	ND, NF, NP, NT, RD, RH, RP	LKP	51	LKP	77, 90
Cornell Dubilier				Nichicon UK			
GW10 Series	Case Sizes	GW13 Series	Case Sizes	GW10 Series	Case Sizes	GW13 Series	Case Sizes
3186	EA, EB, EC, ED, EE, EF, EG, EH	3186	GC, GD, GE, GF, GG, GH, GJ, DN	NR	51	NR	76.2, 90
3188	EA, EB, EC, ED, EE, EF, EG, EH	3188	GC, GD, GE, GF, GG, GH, GJ, DN	NT	51	NT	76.2, 90
520C	BA, BH, BB, BJ, BC, BD, BE, BF	520C	DB, DJ, DC, DD, DE, DF, DP, DN, DG, FC, FD, FE, FF, FP, FN, FG	NW	51	NW	76.2, 90
DCMC	BA, BH, BB, BJ, BC, BD, BE, BF	DCMC	DB, DJ, DC, DD, DE, DF, DP, DN, DG, FC, FD, FE, FF, FP, FN, FG	NX	51	NX	76.2, 90
OTB	All			QR	51	QR	76.2, 90
MPF	All			Panasonic			
PF	BA, BH, BB, BJ, BC, BD, BE, BF			GW10 Series	Case Sizes	GW13 Series	Case Sizes
SCR	A			G	FB, FC, FE, FG, FH, FK, FL, FN, FP	G	HG, HH, HK, HL, HN, HP, HW
SF	All			United Chemi-Con			
T	A			GW10 Series	Case Sizes	GW13 Series	Case Sizes
Epcos				KMH	50	LXA	76, 89
GW10 Series	Case Sizes	GW13 Series	Case Sizes	LXA	50	LXR	76, 89
B41456	51.6	B41456	76.9	RWE	50	KMH	76, 89
B41458	51.6	B41458	76.9	RWF	50	RWE	76, 89
B43456	51.6	B43456	76.9, 91	RWY	50	RWF	76, 89
B43458	51.6	B43458	76.9, 91	SME	50	RWL	76, 89
Vishay				Vishay			
				GW10 Series	Case Sizes	GW13 Series	Case Sizes
				36D,	BY, BA,	36D,	DB, DJ,
				36DE,	BM, BB,	36DE,	DC, DD,
				36DX	BL, BC,	36DX	DE, DF