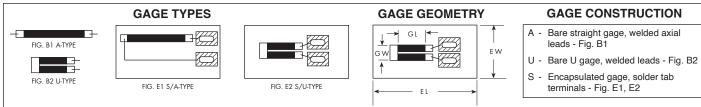
STRAIN GAGE SERIES

When compared to conventional metallic wire and foil gages, Kulite semiconductor gages offer some significant advantages:

- Higher Sensitivity
- . Smaller Sizes
- . **Higher Resistance**
- Higher Fatigue Life
- Lower Hysteresis
- Lower Non-linearity
- Increased Temperature Envelope
- The semiconductor strain gage may be thought of as a strain sensitive resistor. Generally when bonded to a stressed member, its resistance changes as a function of applied strain. This characteristic makes it useful in the fields of stress analysis, physical measurements, testing, transducer and instrumentation manufacture. Additionally, the latest Silicon-On-Insulator (SOI) technology enables the fabrication of the high temperature strain gages with enhanced performance characteristics. These gages, as well as all other silicon based strain gages, are easily optimized for specific customer applications and have been found by customers to be truly superior to their foil gage counterparts.

For further information, please download our Strain Gage Manual, which can be found on the Reference Library page at www.kulite.com

Kulite recommends the KSC Series of signal conditioners to maximize the measurement capability of the Strain Gage Series.



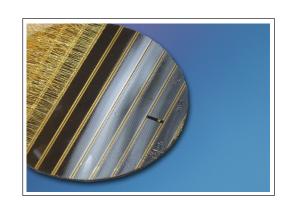
STRAIN GAGE CHARACTERISTICS AND SELECTION TABLE

RESISTIVITY OR DOPING CODE		0.05 005-		(GL) ACTIVE	(GW) GAGE	(EL) (EW) ENCAPSULATION		
			GAGE CODE	FIGURE	LENGTH	WIDTH	LENGTH	WIDTH
		Р			±.002	±.002	±.050	±.020
_			ACP-15-150	B1	.100	.020		
	G.F.	+ 100	ACP-30-150	B1	.100	.010		
	TCR	+ 4%	ACP-120-300	B1	.266	.009		
С	TCGF	- 6%	UCP-120-090	B2	.065	.016		
	Linearity	± 0.2%	S/ACP-120-300	E1	.266	.009	.470	.150
	,	,.	S/UCP-120-090	E2	.065	.016	.260	.150
D			ADP-250-220	B1	.186	.009		
	G.F.	+ 115	ADP-350-300	B1	.266	.009		
	TCR	+ 3%	UDP-350-175	B2	.140	.016		
	TCGF	- 8%	S/ADP-350-300	E1	.266	.009	.470	.150
	Linearity	± 0.2%	S/UDP-350-175	E2	.140	.016	.345	.150
E			AEP-350-220	B1	.170	.010		
			AEP-500-300	B1	.250	.012		
	G.F.	+ 130	UEP-350-060	B2	.035	.016		
	TCR	+ 6%	UEP-350-090	B2	.065	.016		
	TCGF	- 10%	S/AEP-500-300	E1	.250	.012	.470	.150
	Linearity	± 0.2%	S/UEP-350-060	E2	.035	.016	.230	.150
			S/UEP-350-090	E2	.065	.016	.260	.150
F	0.5	140	AFP-500-090	B1	.060	.007		
	G.F.	+ 140	AFP-350-090	B1	.060	.007		
	TCR TCGF	+ 10% - 11%	UFP-750-090	B2	.065	.016		
			S/AFP-500-090	E1	.060	.007	.260	.150
	Linearity	± 0.2%	S/UFP-750-090	E2	.065	.016	.260	.150
			AGP-350-090	B1	.060	.010		
			AGP-500-090	B1	.060	.010		
	G.F.	+ 155	AGP-1000-300	B1	.250	.012		
G	TCR	+ 18%	UGP-1000-060	B2	.035	.016		
	TCGF	- 13%	UGP-1000-090	B2	.065	.016		
	Linearity	± 0.2%	S/AGP-1000-300	E1	.250	.012	.470	.150
			S/UGP-1000-060	E2	.035	.016	.230	.150
	-		S/UGP-1000-090	E2	.065	.016	.260	.150
н			AHP-10000-220	B1	.170	.010		
	G.F.	+ 175	AHP-10000-300	B1	.250	.012		
	TCR	+ 45%	UHP-5000-060	B2	.0175	.016		
	TCGF	- 23%	S/AHP-10000-220	E1	.170	.010	.390	.150
	Linearity	± 0.2%	S/AHP-10000-300	E1	.250	.012	.470	.150
			S/UHP-5000-060	E2	.0175	.016	.230	.150

Nominal Gage Resistance (Ω) Indicated in Red

Note: Dimensions are in inches. All dimensions nominal. Continuous development and refinement of our products may result in specification changes without notice. (H)

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DEFINITIONS: G.F. is gage factor = ΔR/Ro ΔL/L Actual value within ±5% of nominal shown given at 70°F TCR is temp. coefficient of resistance in percent per 100°F TCGF is temp. coefficient of gage factor in percent per 100°F Linearity is stated as best fit over ± 1000 microstrain

> GAGE RESISTANCE In ohms at 75°F Bare gages ± 10% of nominal and ± 2% spread each pkg. Encapsulated gages ± 20% of nominal and ± 4% spread each pkg.