Resistors

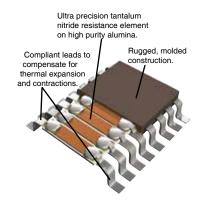
Electronics

TaNFilm® Small Outline **Surface Mount Resistor Network**

GUB Series

OBSOLETE

- Thin-film on ceramic technology
- 0.22" and 0.33" sizes available
- RoHS compliant version available
- DESC 87012 and 87013 available
- Standard JEDEC packages for automatic placement equipment



All Pb-free parts comply with EU Directive 2011/65/EU amended by (EU) 2015/863 (RoHS3)

IRC's TaNFilm®, Small Outline Integrated Circuit resistor networks are ideally suited for surface mounting. The 0.05 inch lead spacing provides higher lead density, increased component count, lower installed resistor cost, and better reliability. They are ideally suited for the latest surface mount assembly techniques, and each lead can be 100% visually inspected. The compliant leads relieve thermal expansion and contraction stresses created by soldering and temperature excursions.

The tantalum nitride film system provides precision tolerance, exceptional TCR tracking, and low noise. TaNFilm® provides stability, high reliability, and long life characteristics. Testing has demonstrated performance exceeding MIL-PRF-83401 characteristic H.

Electrical Data

Resistance Range (Ω)	GM Type	Schem A: 10 to 150K	Schem B: 10 to 75K	
	GL Type	Schem A: 10 to 200K	Schem B: 10 to 100K	
Absolute Tolerance		Available to ±0.1%		
Ratio Tolerance To R1		Available to ±0.05%		
TCR (ppm/°C)		±25, ±50, ±100		
TCR Tracking To R1 (ppm°C)		±5		
Operating Temperature Range		-55°C to +125°C		
Noise		Less than -25 dB		
Substrate		High purity alumina substrate		

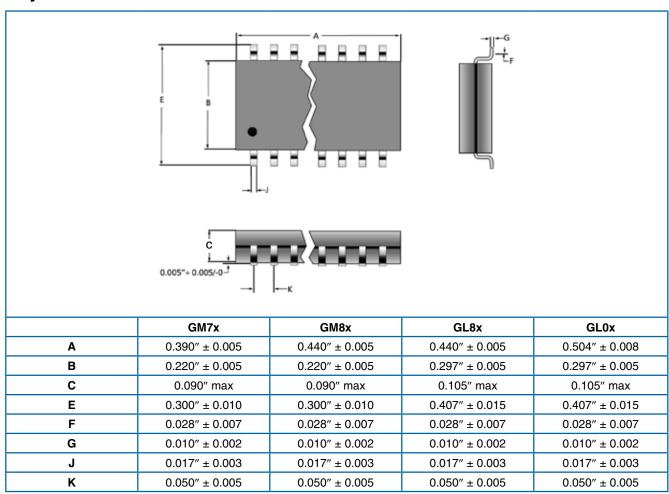
Custom circuits and special testing available.

TaNFilm® Small Outline Surface Mount Resistor Network GUB Series

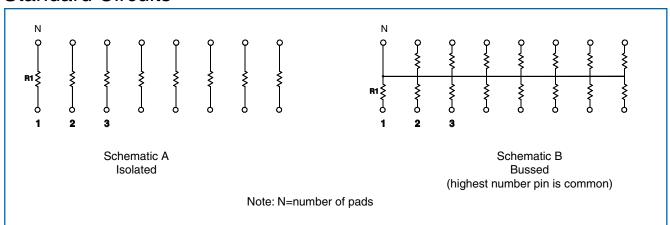


OBSOLETE

Physical Data



Standard Circuits



TaNFilm® Small Outline **Surface Mount Resistor Network**



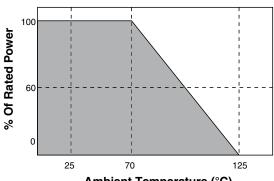
GUB Series

BSOLETE

Power Dissipation Data (watts @ 70°C)

	Schematic A		Schematic B	
	Per Resistor	Per Package	Per Resistor	Per Package
GM Series 14-pin	0.16W	1.0W	0.08W	1.0W
GM Series 16-pin	0.16W	1.2W	0.08W	1.2W
GL Series 16-pin	0.16W	1.2W	0.10W	1.2W
GI Series 20-pin	0.16W	1.5W	0.10W	1.5W

Power Derating Curve



Ambient Temperature (°C)

Ordering Data

