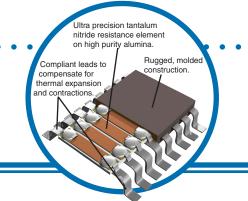
TaNFilm® Small Outline Surface Mount Resistor Network





- Thin film on ceramic technology
- 0.220" and 0.300" sizes available
- · RoHS compliant version available
- DESC 87012 and 87013 available
- Standard JEDEC packages for automatic placement equipment



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 stressed 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 characteristics 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 1000K	
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		

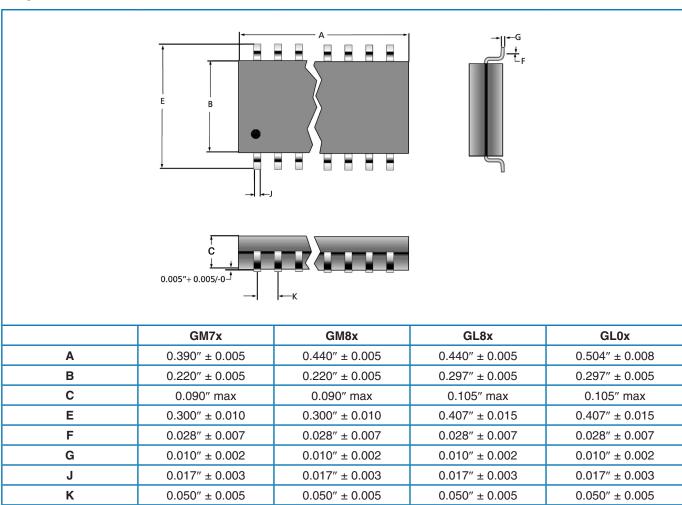
Custom circuits and special testing available.



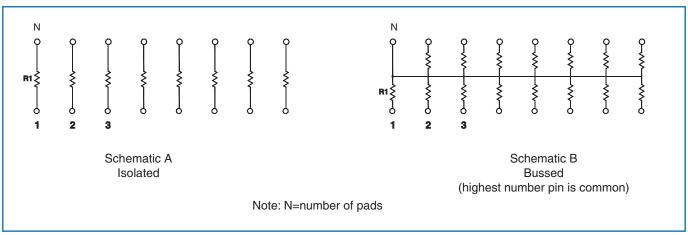
TaNFilm® Small Outline Surface Mount Resistor Network



Physical Data



Standard Circuits



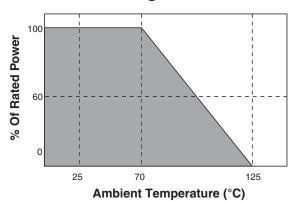
TaNFilm® Small Outline Surface Mount Resistor Network



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



Ordering Data

