

GLASS PASSIVATION RESISTOR FII M WRAPAROUND 96% ALUMINA CHIP **TERMINATIONS**

FEATURES

- Tolerances to ±1%
- Operating temperature range :
- -55° C to +150° C
 Pretinned (Sn60) nickel barrier terminations
- TCR's to ± 100 ppm
- "S" level qualified manufacturer
- · Suitable for solder reflow, vapor phase, or wave solder attachment

PERFORMANCE CHARACTERISTICS

Resistance Range 5.6Ω - $5.62M\Omega$ 1%, 2%, 5% 10% Tolerances Maximum Power 250 mW Maximum Voltage 100 Volts

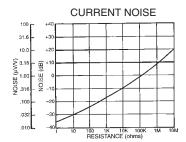
PRETINNED

ENVIRONMENTAL PERFORMANCE (1)

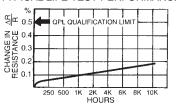
< 100 ppm TCR (-55 to +125 °C in ppm/°C) ±0.03% Thermal Shock Low Temperature Operation +0.02% ±0.02% Short-time Overload +0.03% Resistance to Bonding Exposure +0.05% Moisture Resistance $\pm 0.05\%$ High Temperature Exposure See Chart

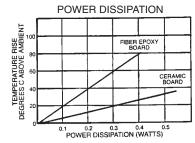
(1) Typical resistance change, the maximum is the same as MIL-PRF-55342. Test methods are per MIL-PRF-55342.

Solderability: Solder coating compatible with Sn60, 62 or 63 solders, provides good wetting with all types of solder attachment. All product is tested IAW Mil-Std-202, method 208, including 8 hour steam aging.

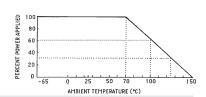


TYPICAL LIFE TEST PERFORMANCE



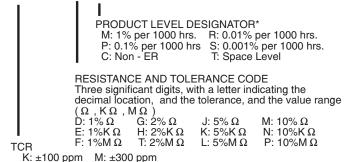


POWER DERATING



PART NUMBERING

D55342 K 07B 100D S



MECHANICAL

	INCHES	MM
Length	.126 (+.008/008)	3.20 (+.20/20)
Width	.063 (±.005)	1.60 (±.13)
Thickness	.015 -`.033 ´	.3884
Top Term.	.010025	.2564
Bottom Term.	.010025	.2564

Approx. Weight .0087 grams

PACKAGING

Two packaging options are available:

Waffle Pack - (140 per Tray Max.) Tape & Reel - (5000 per 8" Inch Reel Max.)

PRODUCT LEVELS

All product levels are based on the same design as our "S" level failure rate Established Reliability part. Level C is a Non-Established Reliability part requiring no group A, B or C testing. Established Reliability (failure rates based on life testing) product levels M,P,R and S are subject to group A, B and C testing per MIL-PRF-55342. Space product level T requires group A and B tests including 100% power conditioning.

OPTIONS

Termination type C & U (epoxy bondable), wraparound style, and type W (wire bondable) are available. Also available in thin film MIL-PRF-55342 characteristic E & H. SOTA offers a full line of component parts in the 1206 size including Standard Grade, High-Reliability (customer specified testing), and zeroohm jumpers. Custom part marking is available.

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