



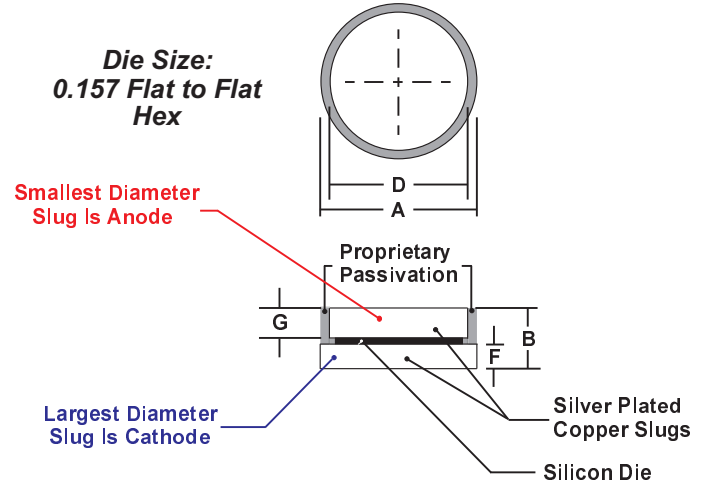
25 AMP SOZA DIODE CELLS

FEATURES

- Void Free Vacuum Die Soldering For Maximum Mechanical Strength and Heat Dissipation (Solder Voids: Typical < 2%, Max. < 10% of Die Area)
- Biggest Effective Die Area for the 25 Amp Class of Soza Diode Cells
- High Temperature Solder (Solidus 287°C, Liquidus 296°C) to Allow Higher Operating And Assembly Temperatures
- Copper Headers Are Silver Plated For Easy Soldering And Superior Solder Joints
- Largest Diameter Header Is Cathode

RoHS COMPLIANT

MECHANICAL SPECIFICATION



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	5.41	5.51	0.213	0.217
B	1.95	2.05	0.077	0.081
D	4.77	4.87	0.188	0.192
F	0.64	0.76	0.025	0.030
G	0.96	1.09	0.038	0.043

MAXIMUM RATINGS & ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.

PARAMETER (TEST CONDITIONS)	SYMBOL	RATINGS								UNITS
		BAR 2501D	BAR 2502D	BAR 2504D	BAR 2506D	BAR 2508D	BAR 2510D	BAR 2512D		
Series Number										
Maximum DC Blocking Voltage	V _{RRM}	100	200	400	600	800	1000	1200		VOLTS
Maximum RMS Voltage	V _{RMS}	70	140	280	420	560	700	840		
Maximum Peak Recurrent Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	1200		
Average Rectified Forward Current (Single phase, Resistive load, 60Hz)	I _o	25								AMPS
Non-repetitive Peak Forward Surge Current (Half wave, Single phase, 60Hz sine applied to rated load)	I _{FSM}	450								
Maximum Instantaneous Forward Voltage @ I _F = 6 Amps @ I _F = 25 Amps	V _F	0.85 1.05				0.90 1.10				VOLTS
Maximum DC Reverse Current At Rated DC Blocking Voltage @ T _c = 25 °C	I _R	0.5								μA
Operating & Storage Temperature Range	T _J , T _{STG}	-65 to +175								°C