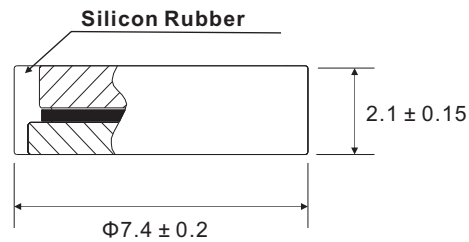


Automotive Cell Diodes, 55A

FEATURES:

- Adopt a vacuum soldering techniques.
- High soldering temperature.
- Low forward voltage.
- ΔV_F Positive warp less than 15%.
- Apply to each Automotive Rectifiers field extensively.

Drawing and Dimension



ELECTRICAL CHARACTERISTICS				
PARAMETERS	SYMBOL	55CD		UNIT
		04	06	
Maximum repetitive peak reverse voltage	V_{RRM}	400	600	V
Maximum average forward rectified output current ($T_C = 170^\circ\text{C}$)	$I_{F(AV)}$	55		A
Maximum peak, one-cycle forward, non-repetitive surge current	I_{FMS}	600		A
Maximum forward voltage drop ($I_F = 100\text{A}$, $T_C = 25^\circ\text{C}$)	V_{FM}	1.05		V
Maximum peak reverse current ($V_R = V_{RRM}$, $T_C = 25^\circ\text{C}$)	V_{RRM1}	1		μA
Maximum peak reverse current ($V_R = V_{RRM}$, $T_C = 175^\circ\text{C}$)	V_{RRM2}	500		μA
Maximum thermal resistance, junction to case	R_{thjc}	≤ 0.6		$^\circ\text{C/W}$
Storage temperature range	T_{stg}	-40 to 200		$^\circ\text{C}$
Junction temperature	T_{jm}	200		$^\circ\text{C}$
ΔV_F dispersion coefficient	(max-average)	$\leq 15\%$		