Automotive Cell Diodes, 35A

FEATURES:

a. Adopt a vacuum soldering techniques.

b. High soldering temperature.

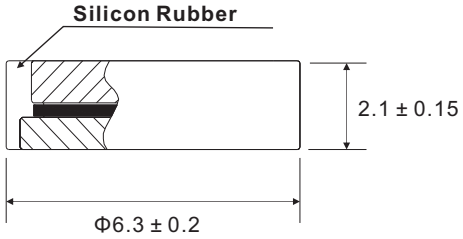
c. Low forward voltage.

d. △VF Positive warp less than 15%.

e. Apply to each Automotive Rectifiers field extensively.

Drawing and Dimension





ELECTRICAL CHARACTERISTICS				
PARAMETERS	SYMBOL	35CD		UNIT
		04	06	
Maximum repetitive peak reverse voltage	V_{RRM}	400	600	V
Maximum average forward rectified output current (T_C = 170°C)	$I_{F(AV)}$	35		A
Maximum peak, one-cycle forward, non-repetitive surge current	I_{FMS}	420		A
Maximum forward voltage drop (I_F = 100A, T_C = 25°C)	V_{FM}	1.15		V
Maximum peak reverse current (V_R = V_{RRM}, T_C = 25°C)	V_{RRM1}	1		uA
Maximum peak reverse current (V_R = V_{RRM}, T_C = 175°C)	V_{RRM2}	500		uA
Maximum thermal resistance, junction to case	R_{thjc}	≤0.8		°C/W
Storage temperature range	T_{stg}	-40 to 200		°C
Junction temperature	T_{jm}	200		°C
△V_F dispersion confficient	(max-average)	≤15%		