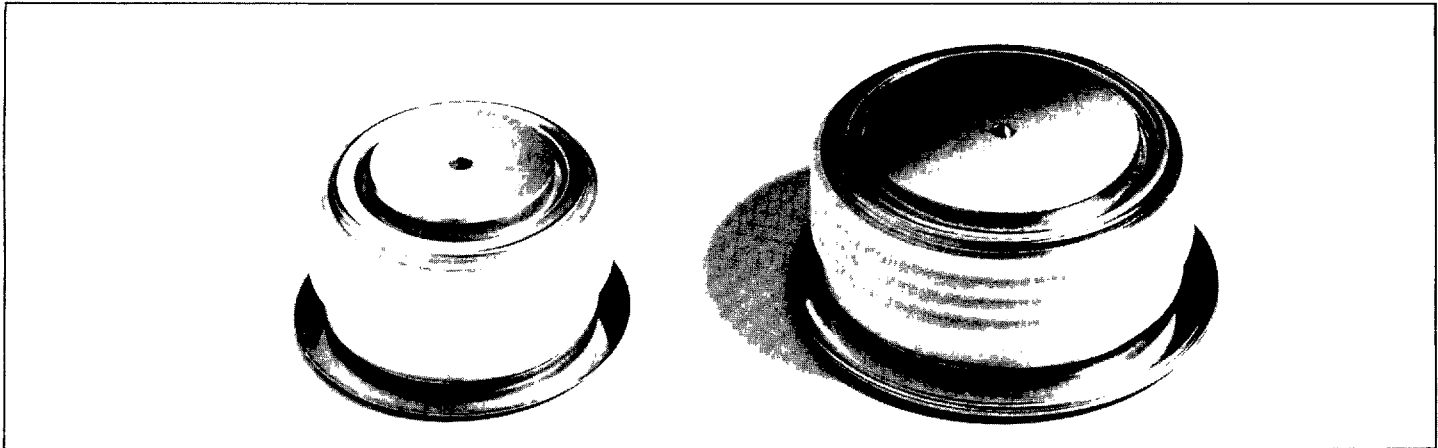


SILICON DIODES



JEDEC TYPE							
NATIONAL TYPE NO.	A596	A430	A540	A641	A621	A730	A740
I_{FM} (AV) Max. average forward current (A) @ T _c °C	750 65	1000 113	1000 100	1500 65	2000 65	1800 100	2400 100
I_{FSM} Max peak one cycle surge current (A)	10000	10000	12000	17000	25000	25000	32000
I²t Max at 8.3 msec (A ² sec)	415000	415000	590000	1200000	2500000	2600000	4200000
V_{FM} Max. peak voltage drop @ peak amps, T _J = 25 °C	1.6 1000	1.2 1000	1.2 1000	1.1 1000	1.1 2000	1.3 3000	1.3 4000
R_{θJC} Max. thermal resistance junction-to-case (°C/W)	.05	.05	.05	.038	.038	.023	.023
T_J Max. junction operating temperature (°C)	175	175	175	175	175	175	175
Q_{RR} Max. reverse recoverd charge @ T _J = 25 °C	300	—	—	—	—	—	—
	100 A	A430A			A621A		
	200 B	A430B			A621B		
	300 C	A430C			A621C		
	400 D	A430D			A621D		
	500 E	A430E			A621E		
	600 M	A430M			A621M		
	700 S	A430S			A621S		
	800 N	A596N	A430N		A621N		
	900 T	A596T	A430T		A621T		
	1000 P	A596P	A430P		A621P	A730P	A740P
REPETITIVE	1100 PA	A596PA	A430PA		A621PA	A730PA	A740PA
PEAK	1200 PB	A596PB	A430PB		A621PB	A730PB	A740PB
REVERSE	1300 PC	A596PC	A430PC			A730PC	A740PC
VOLTAGE	1400 PD	A596PD	A430PD	A641PD		A730PD	A740PD
(V _{RRM})	1500 PE		A430PE	A641PE		A730PE	A740PE
	1600 PM			A540PM	A641PM	A730PM	A740PM
	1700 PS			A540PS	A641PS	A730PS	A740PS
	1800 PN			A540PN	A641PN	A730PN	A740PN
	1900 PT			A540PT	A641PT	A730PT	
	2000 L			A540L	A641L	A730L	
	2100 LA			A540LA	A641LA	A730LA	
	2200 LB			A540LB	A641LB	A730LB	
	2300 LC			A540LC	A641LC	A730LC	
	2400 LD			A540LD	A641LD	A730LD	
	2500 LE			A540LE	A641LE		
	2600 LM			A540LM	A641LM		
Mounting Force (lbs) required	2000	2000	2000	4000	4000	5000	5000
Package Type	1" P.P.	1" P.P.	1" P.P.	1" P.P.	1" P.P.	1 1/8" P.P.	1 1/8" P.P.
Package Outline Number	DO-200AB	DO-200AB	DO-200AB	DO-200AB	DO-200AB	DO-200AC	DO-200AC