FAST RECOVERY DIODE MODULES TYPE

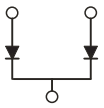
Features

1. High Surge Capability
2. Dual Diode Consturction
3. Low Leakage Current
4. Low Forward Voltage

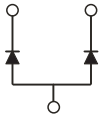
Ordering code

NK	F	D	400	xx	(A)
(1)	(2)	(3)	(4)	(5)	(6)

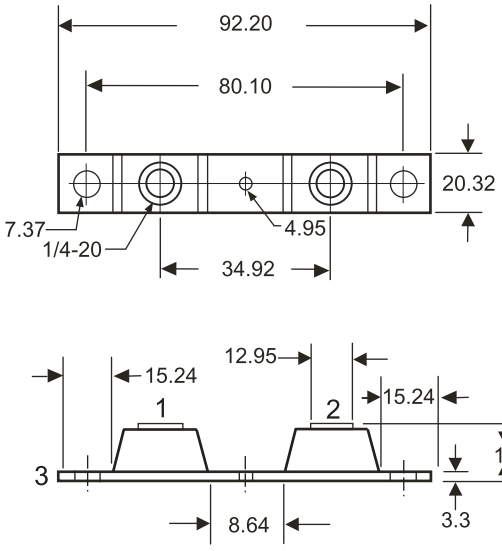
(1) Module Type
(2) for Fast Recovery diode
(3) D - For dual terminals
Blank - single terminal
(4) For case style & current
(5) Voltage code (code x 10 = V_{RRM})
(6) Blank - For common cathodes to base plate
A - For common anodes to base plate



Baseplate



Baseplate
For A



All dimensions in millimeters

Electrical Characteristics

Parameter		Condition	Max. Value	Unit
I_F	Average Rectified Forward Current	DC T_C = 140°C	400	A
		(Per leg)	200	
V_{RRM}	Peak Repetitive Reverse Volatge		200 to 1200	V
I_{FSM}	Non-Repetitive Peak Surge Current	Surge applied at rated load conditions , halfwave , single phase , 50Hz	150	KA^2s
I_{2t}	Max. Permissible surge energy		150	KA^2S
I_{RRM}	Repetitive peak reverse current	T_j = 125°C	300	mA
V_{FM}	Peak forward voltage drop	I_F =400A	1.35	V
t_{rr}	Typical Reverse Recovery Time		75	ns
T_{stg}	Storage / Operating Case Temperature		-55 to 150	°C
T_j	Operating Junction Temperature		-55 to 175	°C
$R_{th(J-C)}$	Thermal Resistance		0.27	°C/W
T	Maximum Mounting Torque		40	Kg - cm
	Maximum Mounting Torque Center Hole		18	
	Maximum Terminal Torque		40	
W_t	Approximate weight		95	g