

SCHOTTKY BARRIER RECTIFIERS

T-03-19

OPERATING/STORAGE TEMPERATURE RANGE -65°C to +150°C

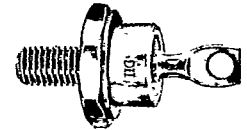
TYPE	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV		Maximum Forward Voltage @ 25° C TA	
	PRV	I _o @ T _C		I _{FM} (Surge)	I _R @ T _C		I _{FM}	V _{FM}
	V _{PK}	A _{AV}	°C	A _{PK}	mAdc	°C	A _{PK}	V _{PK}



30 AMPERE SCHOTTKY/TO-3

NSM3020	20	30	100	300	4.0	25	15	0.65
NSM3030	30	30	100	300	4.0	25	15	0.65
NSM3035	35	30	100	300	4.0	25	15	0.65
NSM3040	40	30	100	300	4.0	25	15	0.65
NSM3045	45	30	100	300	4.0	25	15	0.65
SD241	45	30	95	400	**100	125	20	0.65

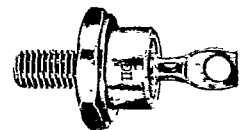
NOTE: 1. Standard Type = Common Cathode, Common Anode = Suffix "A", Doubler Connection = Suffix "D".
2. "****" VR = 35V



40/50/60 AMPERE SCHOTTKY/DO-5

1N5832	20	40	75	800	150	100	40	0.52
1N5833	30	40	75	800	150	100	40	0.55
1N5834	40	40	75	800	150	100	40	0.59
1N6097	30	50	70	700	250	115	157	*0.86
1N6098	40	50	70	700	250	115	157	*0.86
SD51	45	60	95	800	200	125	60	**0.70

NOTE: 1. *V_F TEST @ T_C = 70°C, **V_F TEST @ T_C = 125°C
2. Suffix "R" for reverse polarity.



60/75 AMPERE SCHOTTKY/DO-5

NSD6020	20	60	120	800	10	25	60	.55
NSD6030	30	60	120	800	10	25	60	.55
NSD6035	35	60	120	800	10	25	60	.55
NSD6040	40	60	120	800	10	25	60	.55
NSD6045	45	60	120	800	10	25	60	.70
NSD6050	50	60	120	800	10	25	60	.70
NSD7520	20	75	120	1000	10	25	75	.74
NSD7530	30	75	120	1000	10	25	75	.74
NSD7535	35	75	120	1000	10	25	75	.74
NSD7540	40	75	120	1000	10	25	75	.74
NSD7545	45	75	120	1000	10	25	75	.74
NSD7550	50	75	120	1000	10	25	75	.74

NOTE: 1. Suffix "R" for reverse polarity.