

Standard recovery diode(Stud Version)

STANDARD RECOVERY DIODE(Stud Version)

Features

- High surge current capability
- Stud cathode and stud anode version
- Wide current range
- Metric device version available

Typical Applications

- Battery charges
- Converters
- Power supplies
- Machine tool controls
- Welder
- Motor controls

Ordering Information Table

Device Code	1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F	17F	18F	19F	20F	21F	22F	23F	24F	25F	26F	27F	28F	29F	30F	31F	32F	33F	34F	35F	36F	37F	38F	39F	40F	41F	42F	43F	44F	45F	46F	47F	48F	49F	50F	51F	52F	53F	54F	55F	56F	57F	58F	59F	60F	61F	62F	63F	64F	65F	66F	67F	68F	69F	70F	71F	72F	73F	74F	75F	76F	77F	78F	79F	80F	81F	82F	83F	84F	85F	86F	87F	88F	89F	90F	91F	92F	93F	94F	95F	96F	97F	98F	99F	100F	101F	102F	103F	104F	105F	106F	107F	108F	109F	110F	111F	112F	113F	114F	115F	116F	117F	118F	119F	120F	121F	122F	123F	124F	125F	126F	127F	128F	129F	130F	131F	132F	133F	134F	135F	136F	137F	138F	139F	140F	141F	142F	143F	144F	145F	146F	147F	148F	149F	150F	151F	152F	153F	154F	155F	156F	157F	158F	159F	160F	161F	162F	163F	164F	165F	166F	167F	168F	169F	170F	171F	172F	173F	174F	175F	176F	177F	178F	179F	180F	181F	182F	183F	184F	185F	186F	187F	188F	189F	190F	191F	192F	193F	194F	195F	196F	197F	198F	199F	200F
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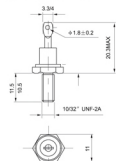
**1** -None-Standard recovery diodes;  
**7F**-Fast recovery diodes  
**2** -Current code- $I_{FM}$   
**3** -Outline code: F-DO-4 case 6A-25A; HF-DO-5 case 30A-85A  
**U**-DO-8,DO-9 case 100A-300A  
**4** -None-Stud Normal Polarity (cathode to stud)  
**R**-Stud Reverse Polarity (anode to stud)  
**5** -Voltage code-cathode  $\times 10^{-3}$ V  
**6** -None-Standard inch Device; M-Metric Device  
**7** -Slinger size

Notice:If you need metric size or ceramic version,pls contact with ZENLI.

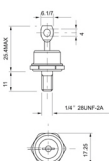


Type	F(A)		V <sub>RM</sub> (V)		F <sub>RM</sub> (A)		V <sub>RRM</sub> (V)		I <sub>RRM</sub> (mA)		R <sub>θj-c</sub>	T <sub>j</sub>	M <sup>2</sup>	WT	Outline
	T <sub>H</sub> 55°C		25°C												
	A	V	A	A	V						°C	Nm	lg		
6F(R)	6	1.1	18	9.0	200-1200	±6	±2.0				-40°C	±1.0	0.008	DO-4	
12F(R)	12	1.25	36	19.0	200-1200	±6	±1.2				+150°C	±1.0	0.008		
16F(R)	16	1.25	48	25.0	200-1200	±12	±1.2					±1.0	0.008		
25F(R)	25	1.1	75	40.0	200-1200	±12	±1.2					±1.0	0.008		
30HF(R)	30	1.3	90	48.0	200-1200	±10	±0.8					±2.0	0.020		
40HF(R)	40	1.3	120	64.0	200-1200	±10	±0.8					±2.0	0.020	DO-5	
50HF(R)	50	1.4	150	80.0	200-1200	±10	±0.8					±2.0	0.020		
60HF(R)	60	1.4	180	96.0	200-1200	±12	±0.6					±2.0	0.020		
70HF(R)	70	1.45	210	112.0	200-1600	±12	±0.5					±2.0	0.020		
85HF(R)	85	1.45	255	136.0	200-1600	±12	±0.4					±2.0	0.020		
100U(R)	100	1.8	300	160.0	200-1600	±15	±0.3					±12	0.120	DO-8	
150U(R)	150	1.5	450	240.0	200-1600	±15	±0.3					±12	0.120		
100U(R/L)	100	1.8	300	160.0	200-1600	±15	±0.3					±12	0.140	DO-30	
150U(R/L)	150	1.5	450	240.0	200-1600	±15	±0.3					±12	0.140		
200U(R)	200	1.3	600	320.0	200-1800	±20	±0.2					±12	0.250	DO-9	
250U(R)	250	1.35	750	400.0	200-1800	±20	±0.15					±25	0.250		
300U(R)	300	1.35	900	480.0	200-1800	±20	±0.15					±25	0.250		
SD400N(R)	400	1.6	1200	640.0	200-2400	±40	±0.07					±25	0.580		
SD500N(R)	500	1.6	1500	800.0	200-2400	±40	±0.065					±25	0.580	B-8	
SD600N(R)	600	1.5	1800	960.0	200-2400	±40	±0.065					±30	0.580		

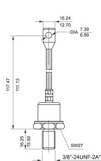
Diode Stud Version Outline



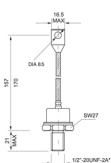
For metric devices M5×0.8  
DO-4



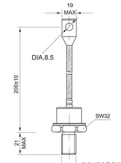
For metric devices M6×1  
DO-5



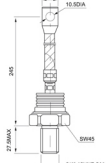
For metric devices M12X1.75  
DO-8



\*FOR METRIC DEVICE M12×1.75  
DO-30



\*FOR METRIC DEVICE M16×1.5 M20×1.5  
DO-9



\*FOR METRIC DEVICE M20×1.5 M24×1.5  
B-8