

DI100~DI1010

OLTAGE 50 to 1000 Volt	CURRENT	1 Ampere	DIP	Unit : inch(mm)		
Recongnized File #E1	11753					
FEATURES			0.335(8.5			
Plastic material used carries Underwrite Laboratory recognition 94V-O	rs		0.316(8.0	<u> </u>		
Low leakage			0.315(8.00) 0.285(7.24) 0.255(6.5) 0.245(6.2)	+ 0.350(8.9) 0.300(7.6)		
Surge overload rating 30 amperes pea	k		.285(
Ideal for printed circuit board						
Lead free in compliance with EU RoHS	2011/65/EU directiv	ve		· · ·		
Green molding compound as per IEC6124	9 Std (Halogen F	0.086(2.2)				
MECHANICALDATA				0.045(1.14)		
Case: Reliable low cost construction utilizi	ng molded plastic to	echnique results in		0.035(0.89)		
inexpensive product				0.022(0.56) 0.018(0.46)		
Terminals: Lead solderable per MIL-STD-7	50, Method 2026		(69.7) (
Polarity: Polarity symbols molded or mar			(8) (16 (7) (205(5. 8) (205(5. 0.195(5. 0.195(5.			
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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.Single phase, half wave, 60Hz, Resistive or inductive load. For capacitive load, derate current by 20%

PARAMETER	SYMBOL	DI100	DI101	DI102	DI104	DI106	DI108	DI1010	UNITS
Maximum Recurrent Peak Reverse Voltage		50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Current	Lav	1					А		
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	Ifsm	30						A	
I²t Rating for fusing (t<8.35ms)	l²t	3.735					A²t		
Maximum Forward Voltage Drop per Bridge Element at 1A	Vf	1.1						V	
Maximum DC Reverse Current at Rated DC Blocking Voltage $\begin{array}{c} T_{J=25^{o}C} \\ T_{J=125^{o}C} \end{array}$	Ir	5 500						uA	
Typical Junction Capacitance (Note 1)	CJ	25				рF			
Typical Thermal Resistance Per Leg (Note 2)	Røja Røjl	40 15				°C / W			
Operating Junstion and Storage Temperature Range	TJ,TSTG	-55 to + 150				°C			

NOTES :

1. Measured at 1 MHz and applied reverse voltage of 4 Volts

2. Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.5 X 0.5"(13 X 13mm) copper pads

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RATING AND CHARACTERISTIC CURVES

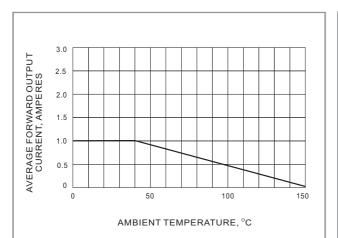
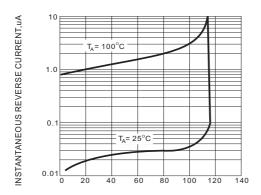


FIG.1 DERATING CURVE FOR OUTPUT RECTIFIED CURRENT



PERCENT OF PEAK REVERSE VOLTAGE, %

FIG.3 TYPICAL REVERSE CHARACTERISTICS

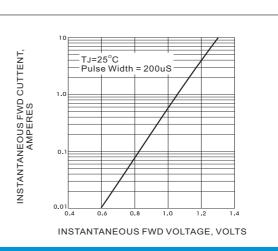


FIG.2 TYPICAL FORWARD CHARACTERISTICS

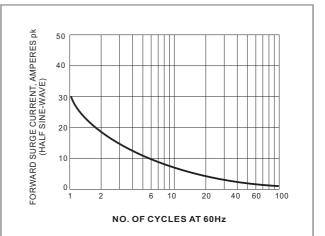


FIG.4 MAX NON-REPETITIVE SURGE CURRENT



CONDUCTOR							
DI100~D	11010						
Part No_packing code_Version DI100_T0_00001							
F							
For example							
RB500V-40_I							
↓	Serial number						
Part No.	Version code means HF						
	Packing size code means 13"						

Packing type means T/R

Packing Code XX				Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code	
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number	
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number	
Bulk Packing (B/P)	В	13"	2				
Tube Packing (T/P)	т	26mm	X				
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y				
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U				
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D				

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