

DRS401K THRU DRS407K

GLASS PASSIVATED BRIDGE RECTIFIERS VOLTAGE 50 to 1000 Volts CURRENT 4.0 Ampere

FEATURES

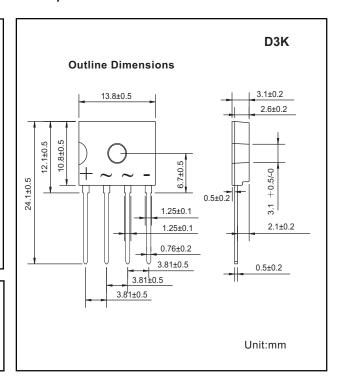
Glass passivated chip junction High case dielectric strength High surge current capability Ideal for printed circuit board

MACHANICAL DATA

Terminal:Plated leads solderable per MIL-STD 202E, Method 208C Case:UL-94 Class V-0 recognized Flane Retardant Epoxy Polarity:Polarity symbol marked on body Mounting position:any

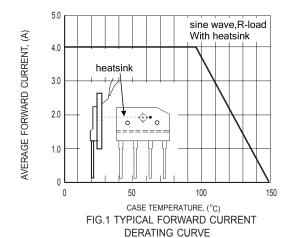
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTIS

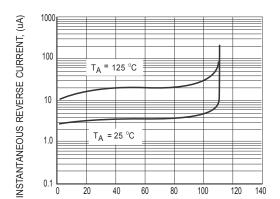
Rating at 25° C ambient temperature unless otherwise specified. Single phase, half wave ,60 Hz, resistive or inductive load. For capa citive load , derate current by 20%



CHARACTERISTICS	SYMBOL	DRS401K	DRS402K	DRS403K	DRS404K	DRS405K	DRS406K	DRS407K	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current @ Tc=98 °C (with heatsink)					4				А
Peak Forward Surge Current 3.3ms Single Half Sine-Wave IFSM 135 Super Imposed on Rated Load (JEDEC Method)							А		
Maximum Forward Voltage at 4.0A DC @ T _a =25°C V _F 1.05 0.88						V			
I ² t Rating for Fusing (t<8.3ms)	l ² t	75.63						A ² s	
Typical Thermal Resistance without heatsink	RθJa				30				
with heatsink	Rejc	5.5						°C/W	
without heatsink	Rejl	6							
Maximum DC Reverse Current @ Ta = 25 °C at Rated DC Blocking Voltage @ Ta = 125 °C	lR	5.0 30					μA		
Operating Temperature Range TJ -55 to +150					°C				
Storage Temperature Range	Тѕтс	-55 to +150						°C	

RATING AND CHARACTERISTICS CURVES (DRS401K THRU DRS407K)





PERCENT RATED PEAK REVERSE VOLTAGE, (%)
FIG.3 MAXIMUM REVERSE CHARACTERISTICS

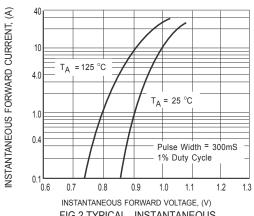


FIG.2 TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

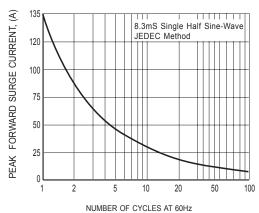
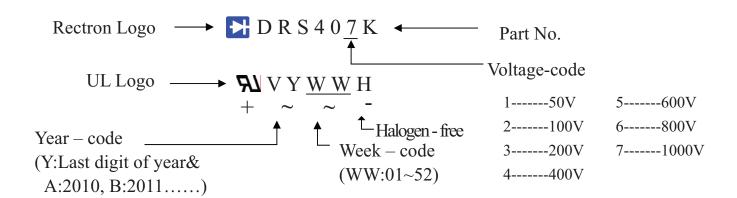


FIG.4 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



Marking Description





PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
D3K	-B	500	181*183*37	378*202*200	5,000	9.0

TUBE PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	WEIGHT(Kg)
D3K	-C	3,000	491*145*133	498*330*160	6,000	13.2



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