

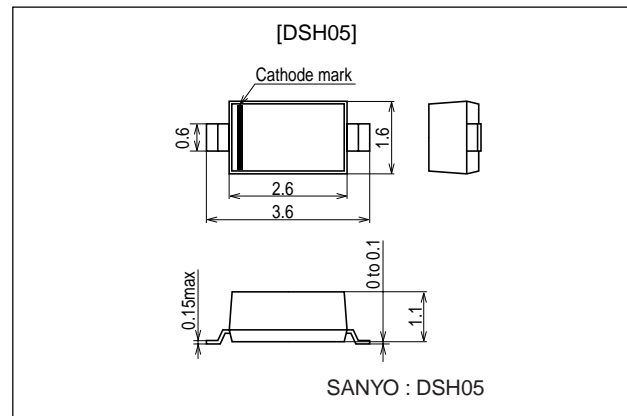
**DSH05****0.5A Power Rectifier****Features**

- Facilitates automatic mounting and miniaturization in end products.
- Peak reverse voltage :  $V_{RM}=400V$ .
- Average rectified current :  $I_O=0.5A$ .

**Package Dimensions**

unit : mm

1312

**Specifications****Absolute Maximum Ratings** at  $T_a=25^\circ C$ 

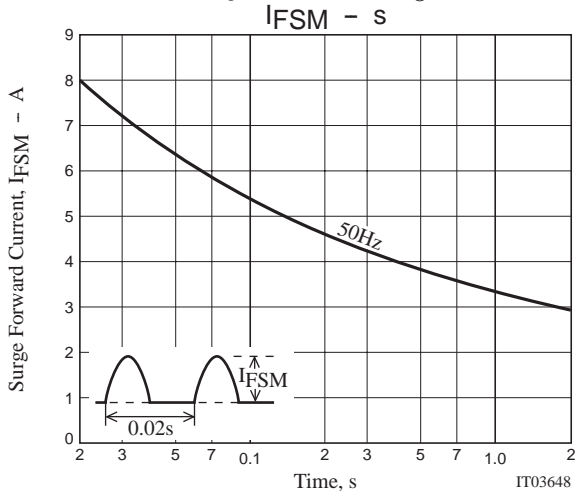
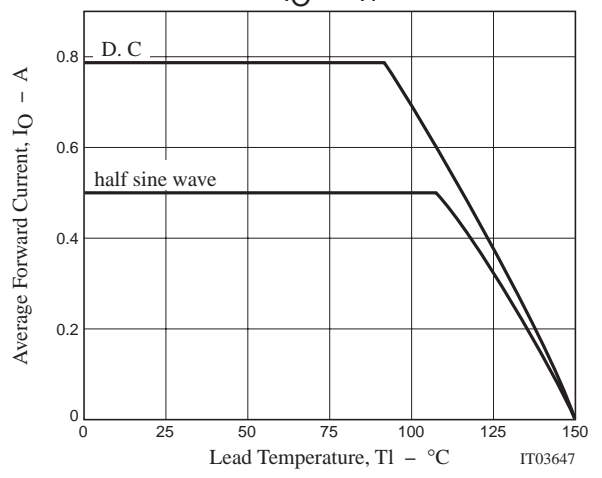
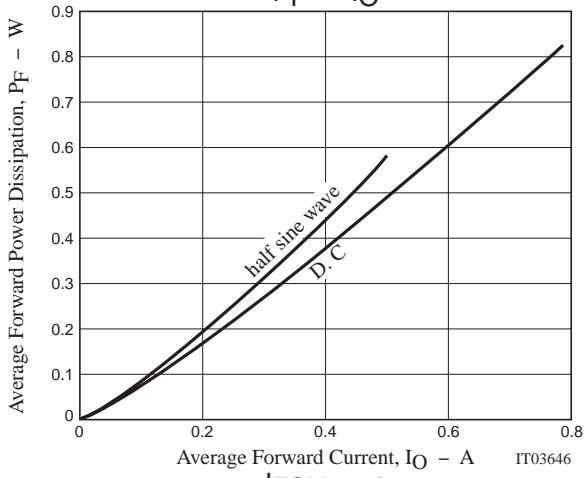
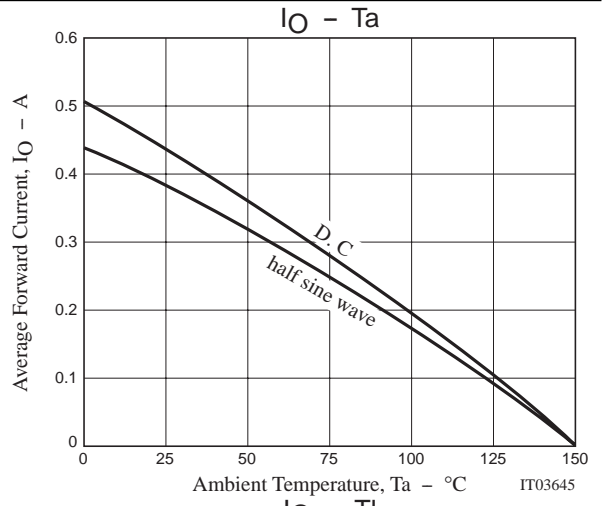
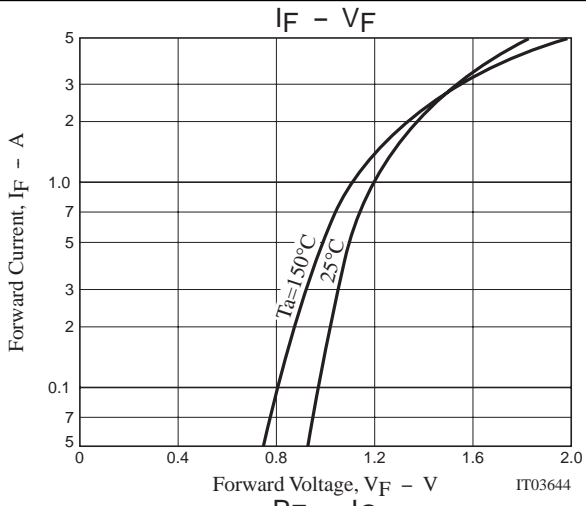
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	$V_{RM}$		400	V
Average Rectified Current	$I_O$	50Hz sine wave, $T_a=25^\circ C$	0.38	A
		Load resistor, $T_l=107^\circ C$	0.5	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave non-repetitive, 1cycle peak value	8	A
Junction Temperature	$T_j$		150	$^\circ C$
Storage Temperature	$T_{stg}$		-40 to +150	$^\circ C$

**Electrical Characteristics** at  $T_a=25^\circ C$ 

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=0.5A$			1.1	V
Reverse Current	$I_R$	$V_R=V_{RM}$			10	$\mu A$
Thermal Resistance	$\theta_{j-l}$	Junction-Lead			70	$^\circ C/W$
	$\theta_{j-a}$	Junction-Ambient, glass epoxy substrate mounted. (Soldering land 1X1mm, both sides)			300	$^\circ C/W$

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# DSH05



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