

No.2374

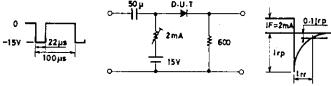
DFH10T

Diffused Junction Type Silicon Diode 1.0 Power Rectifier

Features

- . High-speed switching use
- . Plastic molded structure
- . Reverse recovery time trr=0.15us max(B,C,E,G) trr=0.3us max(J,L,N,R)
- . Peak reverse voltage V_{RM} =-100 to -1500V . Average rectified current Io=1.0A

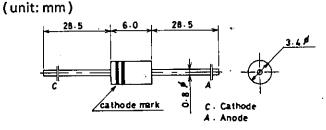
Absolute Maximum Ratings at Peak Reverse Voltage Average Rectified Current Surge Forward Current	V _{RM} Io Ta= I _{FSM} 50H	:25 ⁰ C Hz sine wave cycle	·· -100 →	→		DFH10TG -600 1.0 60	unit V A A
Junction Temperature	Tj	•	>	→		150	°c
Storage Temperature	Tstg		→	→ ·	-40	to +150	°C
÷			DFH10TJ	DFH10TL	DFH10TN	DFH10TR	unit
Peak Reverse Voltage	V_{RM}		-800	-1000	-1200	1500	V
Average Rectified Current	Io Ta≃	:25 ⁰ C	→	→		1.0	A
Surge Forward Current		Hz sine wave, Eycle	, →	-→ .	→	40	A
Junction Temperature	Тj	•		>	>	125	°c
Storage Temperature	Tstg		>	→	-40 t	o +150	°C
Electrical Characteristics Forward Voltage V_{F}	I _F =1.0A(B,C,E,G)		mir	1	nax unit	;
Reverse Current I _R Reverse Recovery Time trr	$I_F=1.0A($ $V_R: At e$ $I_F=2mA, V$ $I_F=2mA, V$	each V	E,G) N,R)	,	0.	1.5 V -10 μA .15 μs).3 μs	

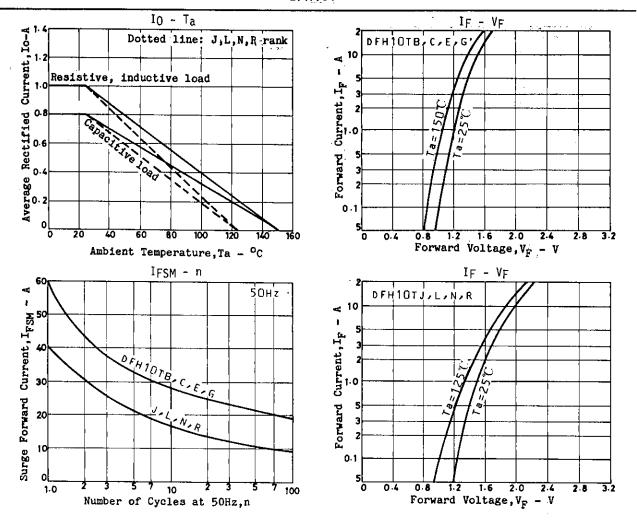


Reverse Recovery Time Test Circuit

Unit (resistance: Ω , capacitance: F)

Package Dimensions 1175





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