

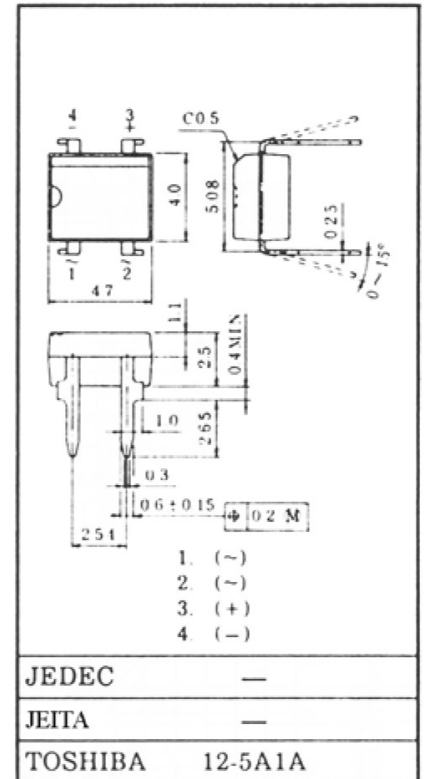
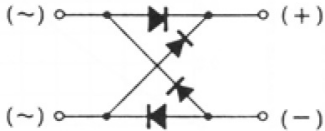
Features

2018

- ◆ Single phase bridge rectifier applications.
 - Repetitive peak reverse voltage : $V_{RRM}=100\sim600V$
 - Average output rectified current : $I_o=0.5A$ ($T_a=30^\circ C$)



Unit in mm



JEDEC	—
JEITA	—
TOSHIBA	12-5A1A

Weight : 0.14g

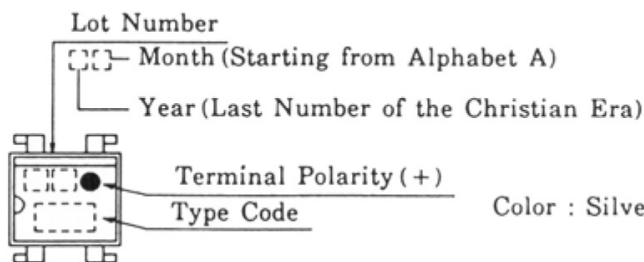
Maximum Ratings

Characteristic	Symbol	Ratings	Unit	
Repetitive peak reverse voltage	V_{RRM}	05B4B48	100	Volts
		05G4B48	400	
		05J4B48	600	
Average output rectified current	I_o	0.5	Amp	
Peak one cycle surge forward current (Non Repetitive)	I_{FSM}	30 (50Hz) 33 (60Hz)	Amps	
Junction temperature	T_J	-40 to +150	°C	
Storage temperature range	T_{STG}	-40 to +150	°C	

Electrical Characteristics ($T_a=25^\circ C$)

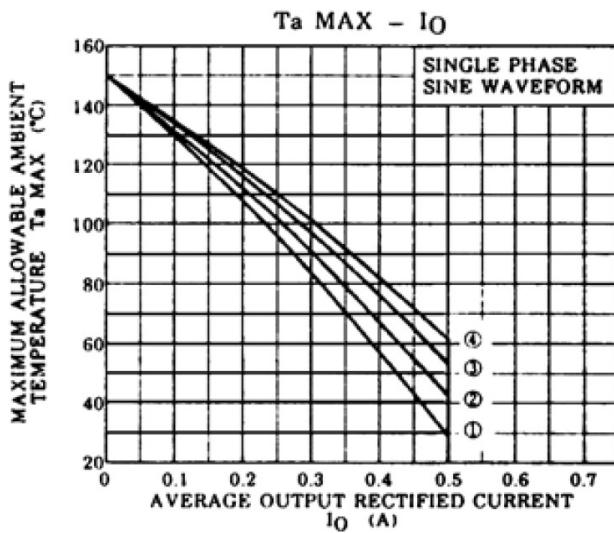
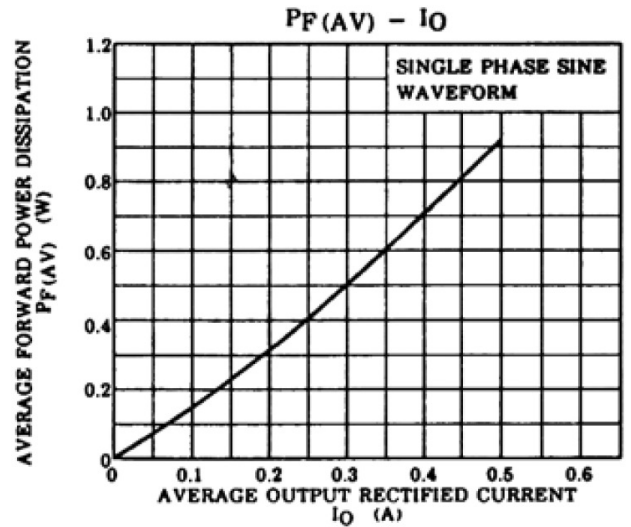
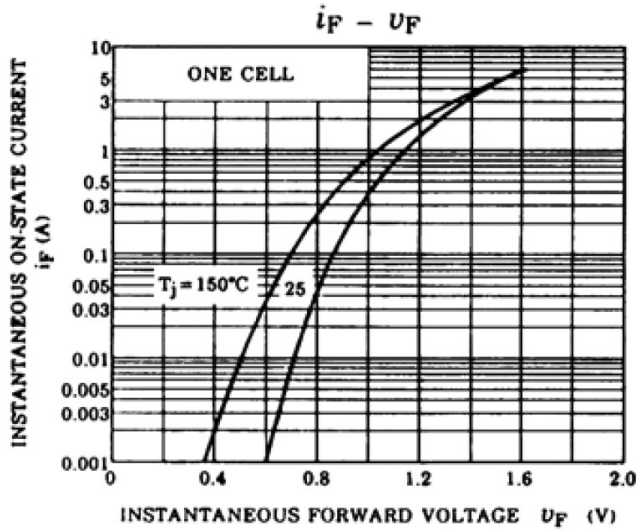
Characteristic	Symbol	Test condition	Min.	Typ.	Max.	Unit
Peak forward voltage	V_{FM}	$I_{FM}=0.4A$	-	-	1.0	Volt
Repetitive peak reverse current	I_{RRM}	$V_{RRM}=\text{Rated}$	-	-	10	μA
Thermal resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	-	-	130	°C/W

MARK



CODE	TYPE
5B	05B4B48
5G	05G4B48
5J	05J4B48

RATINGS AND CHARACTERISTIC CURVES



- ① WITHOUT HEAT SINK
 - ② SOLDER LAND 2×2mm
 - ③ SOLDER LAND 5×5mm
 - ④ SOLDER LAND 7×7mm
- $a \times a$: SOLDER LAND SIZE
(ON GLASS-EPOXI SUBSTRATE)

