查询SF0R5G43供应商 TOSHIBA

TOSHIBA THYRISTOR SILICON PLANAR TYPE

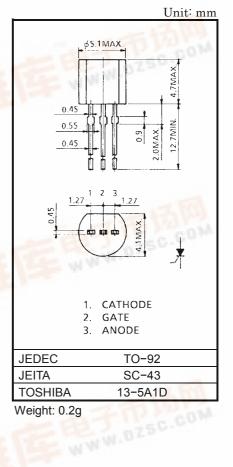
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LOW POWER SWITCHING AND CONTROL APPLICATIONS

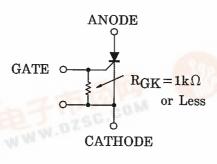
- Repetitive Peak Off-State Voltage : VDRM = 400,600V Repetitive Peak Reverse Voltage $: V_{RRM} = 400,600V$ $: I_{T}(AV) = 500 mA$
- Average On–State Current
- Plastic Mold Type.

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Off-State Voltage and Repetitive Peak Reverse Voltage $(R_{GK} = 1k\Omega)$	SF0R5G43	0256.	400	
	SF0R5J43	V _{DRM} V _{RRM}	600	V
Non-Repetitive Peak Reverse Voltage (Non-Repetitive < 5ms, $R_{GK} = 1k\Omega$, $T_j = 0~110^{\circ}C$)	SF0R5G43		500	
	SF0R5J43	V _{RSM}	720	V
Average On-State Current (Half Sine Waveform Tc = 30°C)		I _{T (AV)}	500	mA
R.M.S On-State Current		I _{T (RMS)}	800	mA
Peak One Cycle Surge On-State Current (Non-Repetitive)		1.012	7 (50Hz)	Α
		ITSM	8 (60Hz)	
I ² t Limit Value		l ² t	0.25	A ² s
Peak Gate Power Dissipation		P _{GM}	1	W
Average Gate Power Dissipation		P _{G (AV)}	0.01	W
Peak Forward Gate Voltage		V _{FGM}	8	V
Peak Reverse Gate Voltage		V _{RGM}	-5	V
Peak Forward Gate Current		I _{GM}	500	mA
Junction Temperature		JISC.	-65~125	°C
Storage Temperature Range		T _{stg}	-65~125	°C



Note: Should be used with gate resistance as follows.



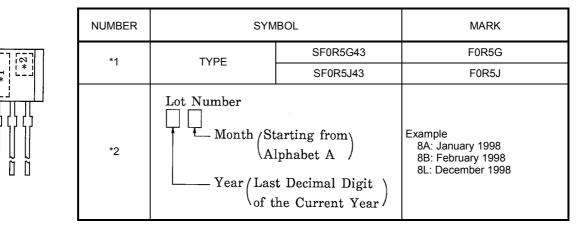


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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

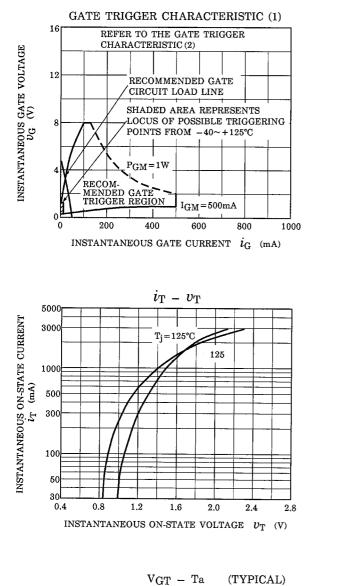
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT	
Repetitive Peak Off-State Current and Repetitive Peak Reverse Current	I _{DRM} I _{RRM}	V _{DRM} = V _{RRM} = Rated, R _{GK} = 1kΩ, T _j = 125°C	_	_	50	μA	
Peak On-State Voltage	V _{TM}	I _{TM} = 1A	_	_	1.5	V	
Gate Trigger Voltage	V _{GT}	V _D = 6V, R _I = 100Ω, R _{GK} = 1kΩ	_	_	0.8	V	
Gate Trigger Current	I _{GT}	$v_D = 0v, R_L = 10002, R_{GK} = 1802$	_	_	200	μA	
Gate Non-Trigger Voltage	V _{GD}	V_D = Rated, R _{GK} = 1kΩ, T _a = 125°C	0.2	_	_	V	
Holding Current	Ι _Η	R _L = 100Ω, R _{GK} = 1kΩ	_	_	5	mA	
Thermal Resistance	R _{th (j−c)}	Junction to Case	_	_	125	°C/W	
	R _{th (j−a)}	Junction to Ambient	_	_	230		

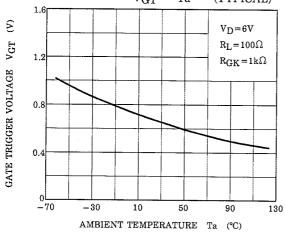
MARKING

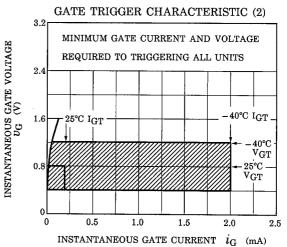


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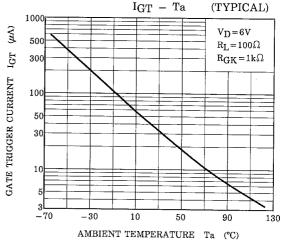
TOSHIBA



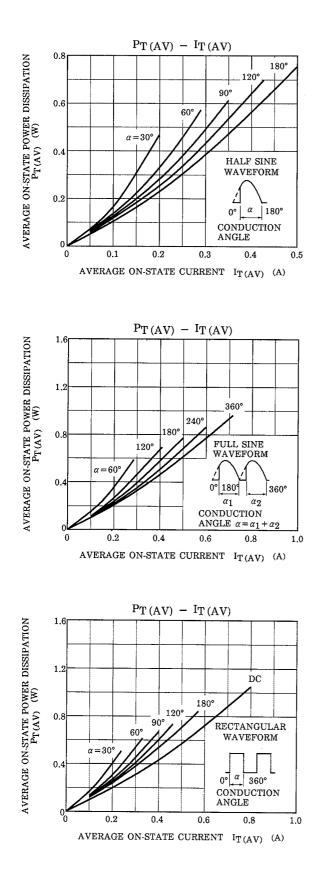


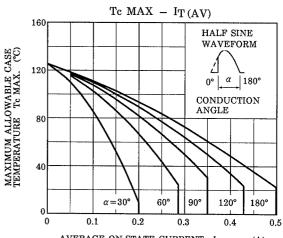


SURGE ON-STATE CURRENT (NON-REPETITIVE) 10 RATED LOAD PEAK SURGE ON-STATE CURRENT ITSM (A) 60Hz 50 0 3 1 10 30 100 NUMBER OF CYCLES

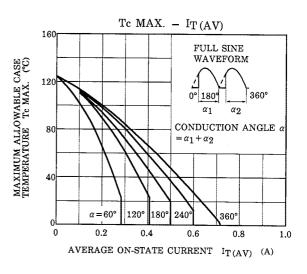


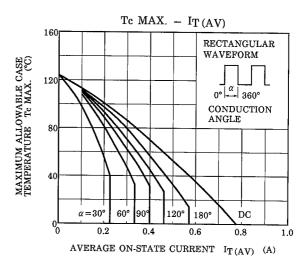
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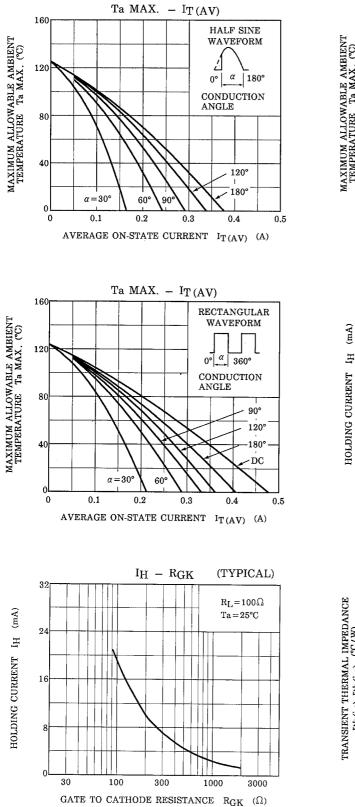


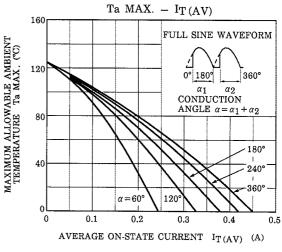
AVERAGE ON-STATE CURRENT $I_{T}(AV)$ (A)

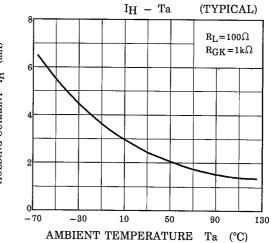


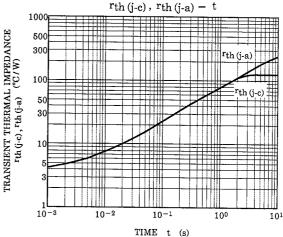


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