SANKEN ELECTRIC CO LTD 55E D 🗰 7990741 0001277 179 🎟 SAKJ

STR 80000 Series

Hybrid Auto-Switch Module—Doubler

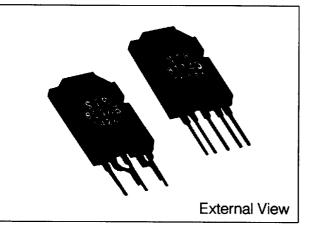
Features

- For automatic switch-over from voltage-doubler to bridge rectification and from bridge rectification to voltage doubler
- With a planar triac incorporated
- Fixed switch-over voltage
- Plastic package (transfer mold)

Applications

- PC and other OA equipment
- Test equipment
- TV monitors
- •Telecommunication equipment

■Absolute Maximum Ratings (Ta = 25°C)



7-58-29

Description	Symbol	Unit	Conditions	Ratings	
				STR80145A	STR81145A, STR81159A
Peak Repetitive Off-state Voltage	V DRM	v	Tj=−10~ + 125 °C	500	
Static On-state Current	I T(RMS)	A	Tj = 125°C Conduction Angle = 360°	5.0	10.0
Surge On-state Current	TMS	A	TJ = 125°C 50Hz, Full Sine Wave Peak Value, Non-repetitive	50	100
Operating Temperature*	Тор	°C		-10~ + 100(Tc)	
Storage Temperature	Tstg	°C		-30~ +125	
Junction Temperature	Tj	°C		+ 125	

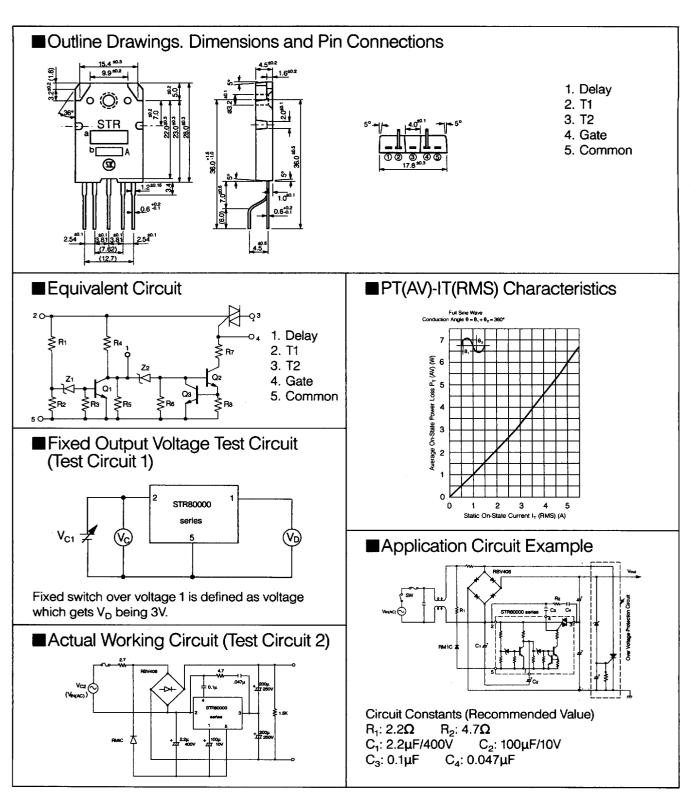
* Temperature of Frame

Electrical Characteristics (Ta = 25°C)

Description		Symbol	Unit	Conditions	Ratings	
					STR80145A, STR81145A	STR81159A
Starting Voltage of Voltage-Doubler		Vs	V(AC)	Test Circuit 2	80 Max	
Fixed Switchover Voltage	1	VC1	V	Test Circuit 1	196±5	215±5
	2	VC2	V(AC)	Test Circuit 2	145	159
Temperature Coefficient of Switch-over Voltage		Kt	mV/°C	Test Circuit 1 Tc = −20 ~ + 100 °C	-30 Typ	
Off-state Current		I DRM	μA	VD=V DRM, RGK = ∞	100 Max	
On-state Voltage		V TM	V	TM = 5A	1.8 Max	
Thermal Resistance		θj–c	°C/W	Between Junction and Frame	1.8	

**VC2 is just a reference value.

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