

SANYO Semiconductors DATA SHEET

Applications

• High frequency rectification (switching regulators, converters, choppers).

Features

- Tj=150°C.
- Short reverse recovery time.
- Low switching noise.
- High reliability due to planar structure.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		100	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		105	V
Average Output Current	IO	50Hz resistive load, Sine wave Tc=73°C	10	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	60	А
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

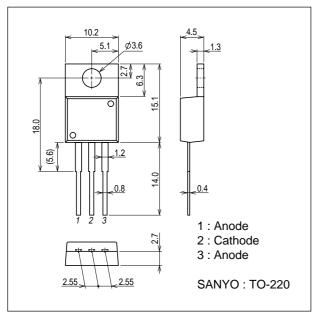
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Onic
Reverse Voltage	VR	IR=1mA, Tj=25°C*	100			V
Forward Voltage	VF	I _F =3.5A, Tj=25°C*			0.88	V
Reverse Current	IR	V _R =50V, Tj=25°C*			100	μΑ
Interterminal Capacitance	С	VR=10V, Tj=25°C*		90		pF
Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC			4.6	°C / W

Note) * : Value per element

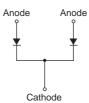
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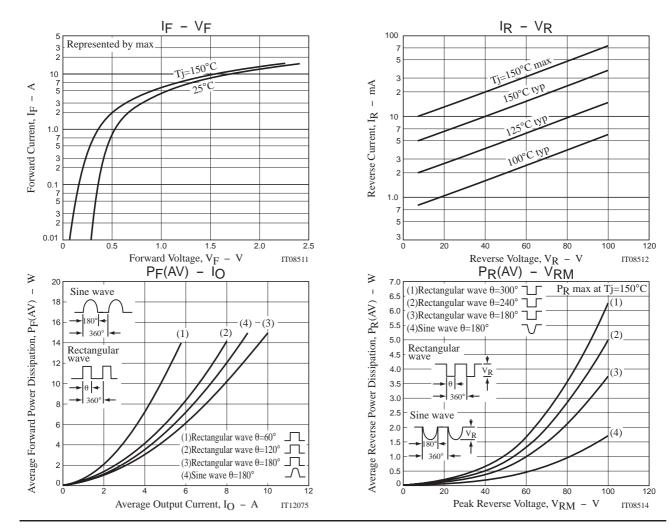
Package Dimensions

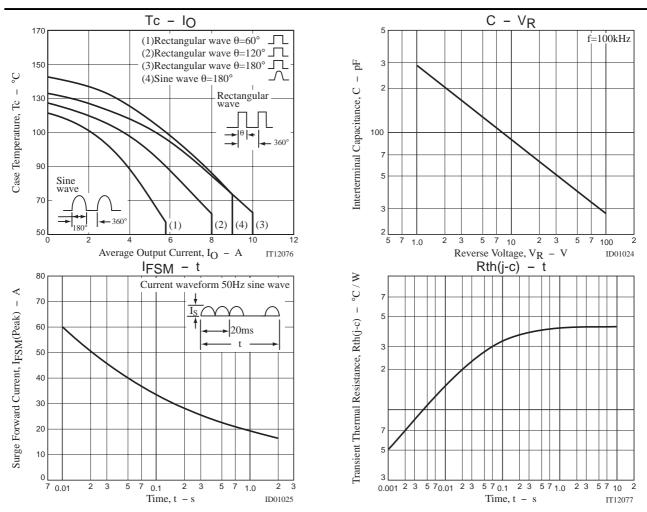
unit : mm (typ) 7507-003



Electrical Connection







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