

SANYO Semiconductors DATA SHEET



Schottky Barrier Diode (Twin Type • Cathode Common) 100V, 8A Rectifier

Features

• VF max=0.8V

• IR max=0.1mA

• Halogen free compliance

Specifications

Absolute Maximum Ratings at Ta=25°C

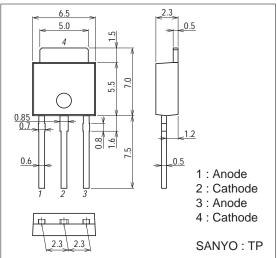
Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		100	V
Nonrepetitive Peak Reverse Surge Voltage	V _{RSM}		105	V
Average Output Current	I _O *1	50Hz resistive load, sine wave Tc=62°C	8	А
	I0*2	50Hz resistive load, sine wave Tc=121°C	4	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	40	А
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Note) *1. Indicates the total value

*2. Value per element

Package Dimensions

unit : mm (typ) 7518-001



Product & Package Information

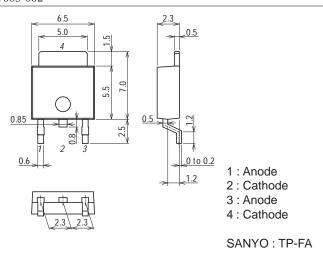
- Package : TP
- JEITA, JEDEC : SC-64, TO-251, SOT553
- Minimum Packing Quantity : 500 pcs./bag





Package Dimensions

unit : mm (typ) 7003-002



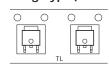
Product & Package Information

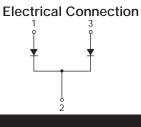
• Package : TP-FA

• JEITA, JEDEC : SC-63, TO-252, SOT428

• Minimum Packing Quantity : 700 pcs./reel

Packing Type(TP-FA) : TL





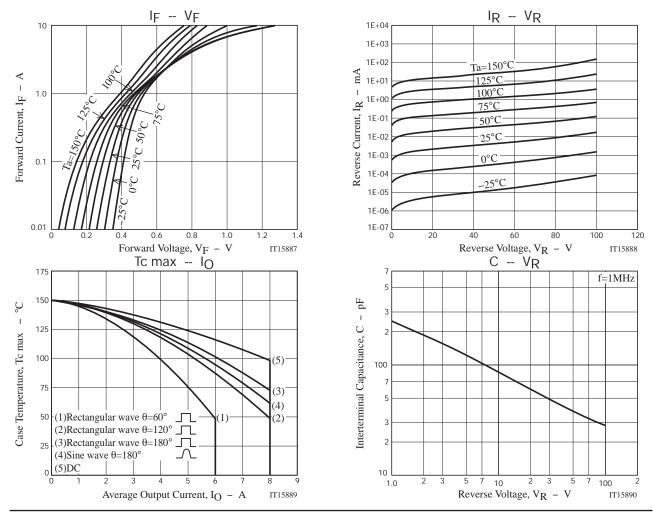
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O2710SB TKIM TC-00002519 No. A1817-1/3

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Reverse Voltage	VR	IR=1mA, Tj=25°C *2	100			V
Forward Voltage	VF	I _F =3.0A, Tj=25°C *2			0.8	V
Reverse Current	IR	V _R =50V, Tj=25°C *2			0.1	mA
Interterminal Capacitance	С	V _R =10V, Tj=25°C *2		90		рF
Transient Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC		6		°C / W

Note) *2. Value per element



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